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**OLD BREMERTON GAS WORKS SITE
MCCONKEY PROPERTIES
TARGETED BROWNFIELDS ASSESSMENT
BREMERTON, WASHINGTON**

**Prepared by
TechLaw Inc.
7411 Beach Drive East
Port Orchard, Washington 98366**

**Contract No. EP-S7-06-03
Task Order No. 06-07-0005**

**Submitted to Work Assignment Manager: Joanne LaBaw
U.S. Environmental Protection Agency
Region 10 - ECL 115
1200 Sixth Avenue
Seattle, Washington**

November 10, 2006

USEPA SF



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ABBREVIATIONS AND ACRONYMS

AAI	All Appropriate Inquiries
AST	above-ground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Report System
CSCSL	Confirmed and Suspected Contaminated Sites List
CSO	Combined Sewer Overflow
DNR	Washington Department of Natural Resources
DoD	Department of Defense
Ecology	Washington State Department of Ecology
EDR	Environmental Data Resources
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	environmental site assessment
FUDS	Formerly Used Defense Sites
LQG	Large Quantity Generator
LUST	leaking underground storage tank
McConkey Properties Property 1 and Property 2	
NFRAP	no further remedial action planned

ABBREVIATIONS AND ACRONYMS (Continued)

NPL	National Priorities List (Federal "Superfund" List)
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl
ppm	parts per million
Property 1	McConkey Center Property
Property 2	McConkey Waterfront Property
PSE	Puget Sound Electric
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SHA	site hazard assessment
subject properties	Old Bremerton Gas Works Site
SQG	small quantity generator
SWLF/LF	State solid waste disposal and landfill
TBA	targeted Brownfields assessment
TDD	Technical Deliverable Document
TechLaw	TechLaw, Incorporated
TSD	Treatment, Storage, and Disposal
USC	U.S. Code
USGS	U.S. Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program

1.0 INTRODUCTION

The objective of a Phase I environmental site assessment (ESA) is to gather readily ascertainable information regarding current and historical activities on or adjoining a subject property. This information is used to evaluate whether known or suspect environmental concerns related to hazardous substances or petroleum products exist in association with the subject properties and adjoining properties.

This Phase I Targeted Brownfields Assessment (TBA) was conducted as part of the U.S. Environmental Protection Agency (EPA) Brownfields Economic Redevelopment Initiative. This initiative is designed to empower states, cities, tribes, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse Brownfields sites (EPA 2002). The specific scope of services for this Phase I TBA is detailed in contract number EP-S7-06-03, Technical Deliverable Document (TDD) 06-07-0005, between EPA Region 10 and TechLaw, Incorporated (TechLaw). This task order requires TechLaw to conduct a Phase I TBA at the Old Bremerton Gas Works Site (subject properties) located at 1725 Pennsylvania Avenue in Bremerton, Washington.

This TBA was conducted in accordance with the current American Society for Testing and Materials (ASTM) Standard E 1527-05. The purpose of this assessment was to identify ASTM-Recognized Environmental Conditions (RECs) (see Section 1.2 for definition) that may exist on the subject properties and to assess whether environmental impacts are because of current and past on-site or nearby activities. Identification or sampling of suspect asbestos-containing materials, radon, wetlands, lead-based paint, or lead in drinking water are not considered to be within the scope of the ASTM standard and were not part of this investigation.

The subject properties are located approximately one mile north-northwest of downtown Bremerton (Figure 1-1 and Figure 1-2). Three properties are part of the subject properties. Two of the properties belong to Trip McConkey (Mr. McConkey) and one of the properties belongs to Natacha Sesko (Sesko Property). This Phase I TBA contains information relevant to the McConkey Properties. These properties are currently Penn Plaza Industrial Park. Penn Plaza Industrial Park offers self storage rental, office space rental, warehouse rental spaces for storage or commercial tenants, and is currently home to many types of industries. The McConkey Center Property (Property 1) has a total area of 2.42 acres. The McConkey Waterfront Property (Property 2) occupies 0.71 acres.

The McConkey Properties share their borders with other commercial land and residential land. Located north of the McConkey Properties down a steep slope is Port Washington Narrows. East-northeast of the McConkey Properties is the Sesko Property. The Sesko Property comprises approximately 0.55 acres and does not have any current uses due to on-going legal issues with the City of Bremerton (Kitsap County Assessor's Office 2006). The Sesko Property is currently zoned as Marine Industrial (McConkey 2006b). Northeast of the McConkey Properties is SC

Fuels, a bulk fuel distributor, located at 1702 Pennsylvania Avenue. SC Fuels is also known as Pacific Northwest Energy Company. Northwest of the McConkey Properties is Port Washington Marina, located at 1805 Thompson Avenue. Port Washington Marina has 81 slips in Port Washington Narrows. Premier Propeller is located at 1701 Thompson Avenue, west of McConkey Properties. Premier Propeller sells and repairs computerized boat propellers. South of McConkey Properties is a boat storage/mini-storage facility that was a former concrete plant and is also part of Penn Plaza Industrial Park. This property is also owned by Mr. McConkey. The McConkey Properties are bordered on the east, southeast, and west by residential areas.

1.1 PURPOSE AND SCOPE OF WORK

The purpose of the Phase I TBA was to identify RECs and assess, on the basis of readily available information, the following: (1) past and present land use practices and site operations and (2) the use, storage, generation, manufacture, and disposal of petroleum products and hazardous materials and wastes at the McConkey Properties. The goal of the assessment was to identify the presence or likely presence of hazardous substances or petroleum products on the McConkey Properties, under conditions that indicate an existing release or past release into structures on the McConkey Properties or into the ground, groundwater, or surface water of the McConkey Properties, from on-site and off-site sources.

This assessment was accomplished by a reconnaissance of the McConkey Properties, a visit to the McConkey Properties, a review of publicly available records, interviews of pertinent individuals and regulatory and public agency personnel, and a review of pertinent documentation readily available from both the current property owner and through public information sources. The McConkey Properties vicinity is defined as the neighboring properties and facilities within an approximate distance of $\frac{1}{4}$ mile of the subject properties, the nature of which may adversely affect or have affected environmental conditions at the McConkey Properties due to the presence and release of hazardous substances or petroleum products to the environment.

The scope of work was conducted in general accordance with the U.S. EPA 30 Code of Federal Regulations (CFR), Part 12, Standards and Practices for All Appropriate Inquiries (AAI) – Final Rule approved November 1, 2005, and the American Society of Testing and Materials (ASTM) *Standard Practice for ESAs* (Standard E 1527-05) approved November 18, 2005. The scope of work included the following elements:

- Review of pertinent, available documents and maps concerning local geologic and hydrogeologic conditions
- Review and interpret available historical aerial photographs of the McConkey Properties and vicinity for selected years back to the McConkey Properties' first developed use or to 1940, whichever is earlier, from readily available sources

- Review and interpretation of available archival topographic maps and historical land use maps (e.g., Metsker, Kroll, and Sanborn Fire Insurance maps) and business directories (e.g., Coles and Polks) of the McConkey Properties and the McConkey Properties vicinity for information about the McConkey Properties historical land use that could have involved the manufacture, generation, use, storage, and disposal of petroleum products and hazardous materials or wastes
- Performance of a reconnaissance survey of the McConkey Properties to make visual observations of existing site conditions and activities
- Review of current county, state, and federal lists of known or potential hazardous waste sites and landfills and of sites currently under investigation for environmental violations located near the McConkey Properties (ranging up to a 1-mile radius, as specified in ASTM E 1527-05), including the following:
 - EPA National Priorities List (NPL) ("Federal Superfund") (1-mile radius)
 - EPA Delisted NPL List ($1/2$ -mile radius)
 - EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS No Further Remedial Action Planned (NFRAP) Lists ($1/2$ -mile radius)
 - EPA Emergency Response Notification System (ERNS) List (subject property)
 - EPA Resource Conservation and Recovery Act (RCRA) List (subject property and adjoining properties)
 - EPA RCRA Corrective Action Report System (CORRACTS) Treatment, Storage, and Disposal (TSD) Facilities List (1-mile radius)
 - EPA Institutional and Engineering Controls databases (subject property and adjoining properties)
 - EPA Brownfields sites ($1/2$ -mile radius)
 - State and Tribal lists of hazardous waste sites (subject property)
 - State and Tribal - equivalent NPL sites list (1-mile radius)
 - State and Tribal - equivalent CERCLIS sites list ($1/2$ -mile radius)

- State and Tribal Leaking Underground Storage Tank (LUST) Sites List ($\frac{1}{2}$ -mile radius)
- State and Tribal Listing of Registered Underground Storage Tanks (USTs) (subject property and adjoining properties)
- State and Tribal Institutional and Engineering Controls databases (subject property and adjoining properties)
- State and Tribal Voluntary Cleanup Program (VCP) sites ($\frac{1}{2}$ -mile radius)
- State and Tribal List of Active Landfills and/or Solid Waste Disposal Sites ($\frac{1}{2}$ -mile radius)
- State and Tribal Brownfields sites ($\frac{1}{2}$ -mile radius)
- Interview of the McConkey Properties owner for information about the land use history of the McConkey Property and past and present practices regarding use, storage, and disposal of petroleum products and hazardous materials and wastes
- Request information from the report "User" as outlined in the "User's Responsibilities" section of the ASTM E1527-05 guidelines including:
 - Title and judicial records review information for activity and use limitations including liens and institutional and engineering controls;
 - Specialized or actual environmental knowledge and experience of the User; and commonly known information from the User; and
 - Evaluation of the relationship of the offered purchase price of the McConkey Properties, if established, to fair market value.
- Telephone or email inquiries to relevant municipal, county, and state regulatory agencies and utilities as applicable for information about building or environmental permits, environmental violations or incidents, property development records, and status of potential enforcement actions at the McConkey Properties. Agency contacts included the following:
 - City of Bremerton Fire Department
 - City of Bremerton Clerk
 - Kitsap County Assessor's Office

- Kitsap County Auditor's Office
- Washington Department of Natural Resources (DNR)
- Washington State Department of Ecology (Ecology)
- Preparation of this report describing the research performed with resultant findings, recommendations, and professional opinions about the potential for environmental contamination at the McConkey Properties

1.2 DEFINITIONS AND TERMINOLOGY

The definitions and terminology used in this report are consistent with the definitions in ASTM Standard E 1527-05, unless noted otherwise. The following are definitions with brief discussions of ASTM terms used in this report.

Recognized Environmental Condition. This term is defined as follows:

The presence or likely presence of any hazardous substances (as defined pursuant to CERCLA, 42 U.S. Code (USC) §9601[14], as interpreted by EPA regulations and the courts) or petroleum products (including those substances within the meaning of the *petroleum exclusion* to CERCLA, 42 USC §9601[14], as interpreted by EPA regulations and the courts) on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the subject properties or into the ground, groundwater or surface water of the subject properties. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2005).

RECs, as defined in the above text, will be identified in this report based on issues identified during the review of historical information and information provided by the City of Bremerton, in the public domain, or identified during the reconnaissance at the subject properties. In addition, any government- or facility-initiated environmental investigation will be classified as an REC until data supporting reclassification can be reviewed and evaluated or until the governmental agency requires no further action. For example, an area that is identified as a solid waste management unit or is under a RCRA facility investigation would be classified as an REC.

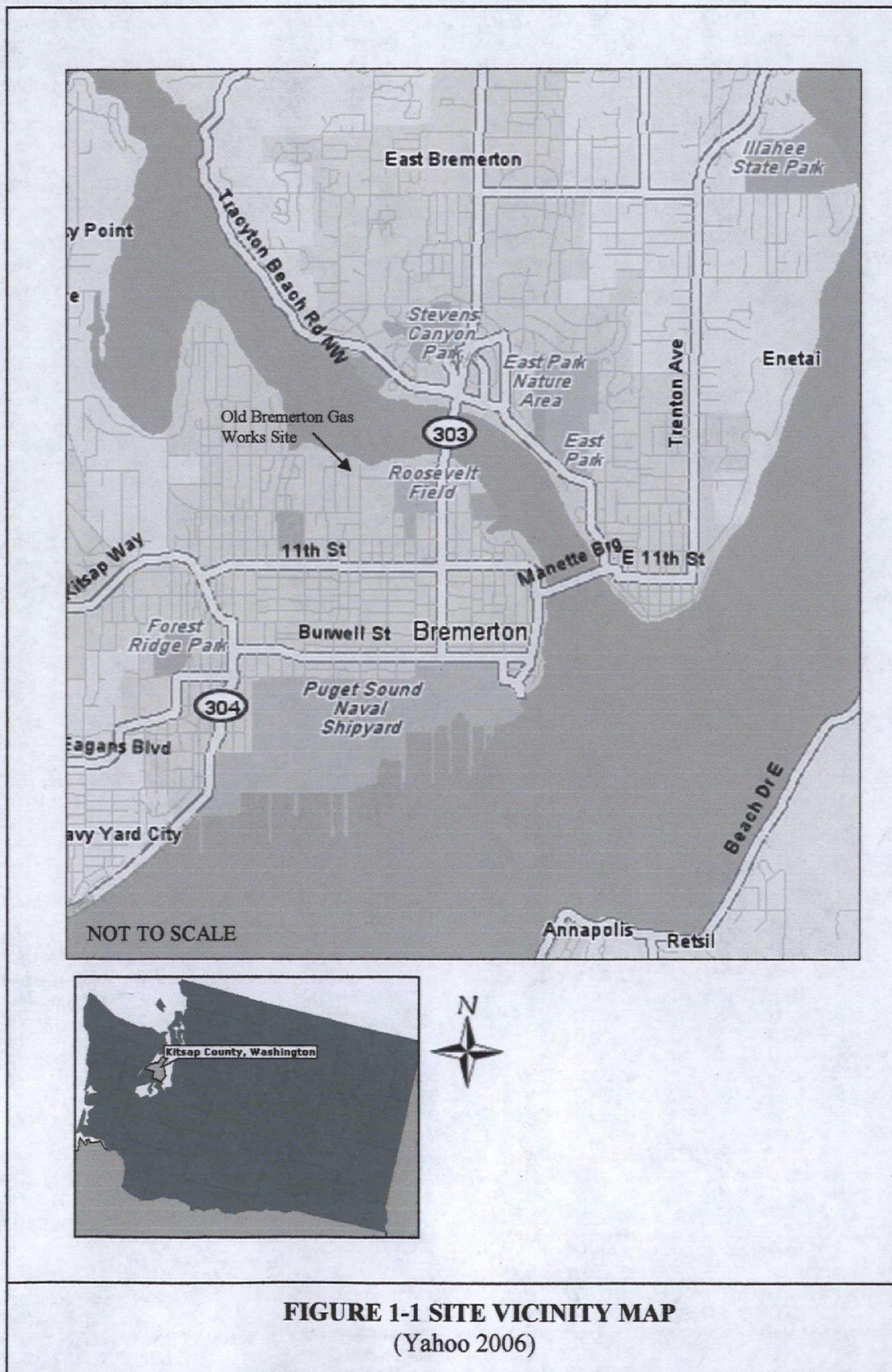
Any cleanup that is planned or under way either through a regulatory enforcement action, Consent Order, or VCP would be classified as an REC.

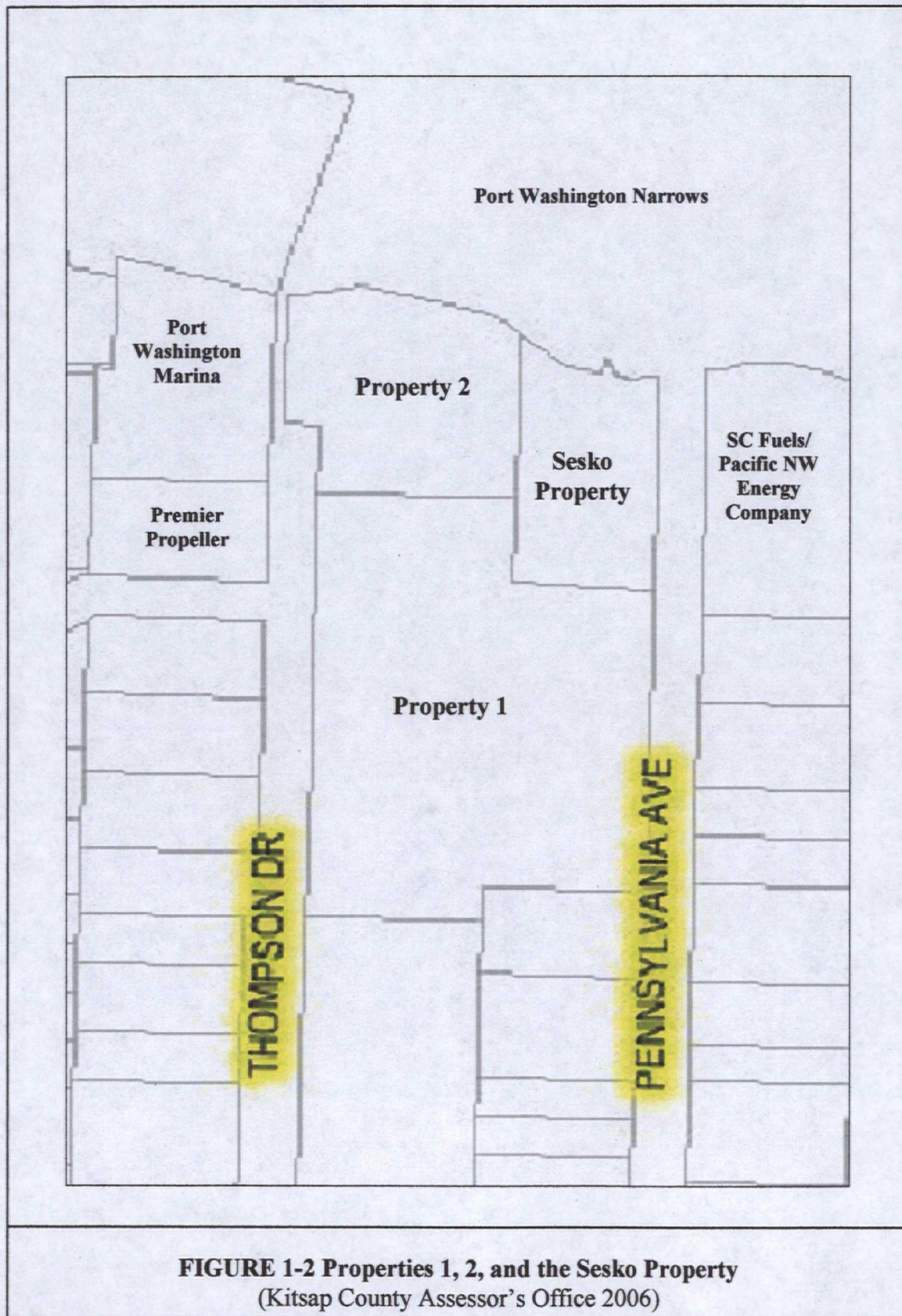
Off-site facilities that may impact the subject properties with hazardous substances or petroleum products are not classified as creating an REC on the subject properties unless, based on available information, such impacts present a material risk of harm to the health or safety of current or future site occupants, or a material risk upon which the appropriate governmental agencies would initiate an independent enforcement action.

Historical Recognized Environmental Condition. This term is defined as follows:

An environmental condition which in the past would have been considered a Recognized Environmental Condition, but which may or may not be considered a Recognized Environmental Condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the Historical REC on the subject properties. If a past release of any hazardous substance or petroleum product has occurred in connection with the subject properties and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an Historical REC (ASTM 2005).

For the purpose of this report, an apparent Historical REC would be classified as a REC if, for example, its remediation or closure would not conform to current minimum regulatory requirements or industry standards for the investigation or chemical analyses. For example, if a contaminated site cleanup had been performed and the regulatory action level had decreased since the cleanup was completed, that specific cleanup action may be defined as an REC. Another example could include a site or area where remediation has been completed, but groundwater monitoring and reporting continues to be required. These determinations would be based on available data and professional judgment.





2.0 SITE LOCATION AND DESCRIPTION

2.1 SITE LOCATION

The McConkey Properties are located in the city of Bremerton in Kitsap County east of the Olympic Mountains directly across Puget Sound from Seattle. The land area of Bremerton is 23 square miles and Bremerton's watershed comprises 12.96 square miles. Bremerton has a population of approximately 38,730 people (City of Bremerton Comprehensive Plan 2004). The McConkey Properties are located one mile north-northwest of downtown Bremerton, south of Port Washington Narrows. The McConkey Properties are zoned as Marine Industrial (McConkey 2006b). Residential areas are located southeast, west, and east of the McConkey Properties. Port Washington Narrows is used for boating and fishing activities. Land use in the vicinity of the McConkey Properties is for residential, commercial, marine industrial, and recreational purposes.

2.2 SITE DESCRIPTION

The McConkey Properties are bordered on the immediate north by a steep slope leading to the Port Washington Narrows. The shoreline along Port Washington Narrows, below the McConkey Properties, belongs to **DNR**. There is a derelict vessel anchored off shore of Port Washington Narrows, below the McConkey Properties (Montgomery 2006). East-northeast of the McConkey Properties is the Sesko Property. The Sesko Property is also a part of the Old Bremerton Gas Works Site and is owned by Natacha Sesko. The Sesko Property comprises approximately 0.55 acres and does not have any current uses due to on-going legal issues with the City of Bremerton (Kitsap County Assessor's Office 2006). The Sesko Property is currently zoned as Marine Industrial (McConkey 2006b). Northeast of the McConkey Properties is Pennsylvania Avenue with SC Fuels across the street. SC Fuels is a bulk fuel company and also known a Pacific Northwest Energy Company. Southeast of the McConkey Properties is a boat storage/mini-storage facility that was formerly a concrete plant and is part of Penn Plaza Industrial Park, owned by Mr. McConkey (McConkey 2006a). Bordering west, east, and southeast of the McConkey Properties are primarily residential areas. Bordering west of the McConkey Properties is Thompson Avenue, and across the street from the McConkey Properties on Thompson Avenue is Premier Propeller. Premier Propeller sells and repairs computerized boat propellers. The McConkey Properties are bordered on the northwest by Port Washington Marina, which has 81 slips in the Port Washington Narrows. The McConkey Properties are shown on Figure 2-1 (Environmental Associates 1997).

2.2.1 Property 1

Property 1 is located on the southern portion of the subject properties. The legal description is as follows: Parcel 1: That portion of Lot 23, Joseph Daly Garden Tracts, and Lots 1 and 2, Supplement Plat of Bay View Garden Tracts. This property is 2.42 acres and is currently zoned as marine industrial (McConkey 2006b). Property 1 has nine buildings located on it with portions of two other buildings. The present uses of these buildings are found below in Table 1. In April 2006 a contractor resealed the asphalt on Property 1 (McConkey 2006a).

2.2.2 Property 2

Property 2 is located on the northern portion of the subject properties along the waterfront. The legal description is as follows: that portion of Lot 23, Joseph Daly Garden Tracts and Lot 1, Supplement Plat of Bay View Garden Tracts. Property 2 is 0.71 acres and is currently zoned as marine industrial (McConkey 2006b). There were no observed cracks in the asphalt, although there was a distinct circle where a 15,000 cubic foot gas holder used to be located (McConkey 2006a). The gas holder held the purified gas where it was metered and stored before distribution to the consumers (EPA 2005).

Table 2-1
 Present Use of Property 1 Buildings

Building	Year Built	Square Footage	Present Occupants
B-1	1959	6,000	Penn Plaza Self-Storage
B-2	1953	7,200	British Aeronautical Engineers Office
B-3	1934	10,400	Ablitt Metal Fabricators
B-4	1975	2,400	Fraser's Interiors Workshop- Granite Countertop Contractor
B-5	1974	2,400	British Aeronautical Engineers Workshop- store tools and do some metal welding.
B-6A	1935	2,262	Penn Plaza Self-Storage
B-6B	1951	1,800	Penn Plaza Self-Storage
B-7	1935	4,320	Ablitt Metal
B-8	1935 and 1951	3,090	In 1951 Building B-8 was attached to Building B-7. B-8 is currently Empty
B-9	1935 and rebuilt in 2000 or 2001	1,500	Paul Weaver's Piston Ring
B-10	1935 and rebuilt in 2000	2,520	Penn Plaza Self-Storage
B-11	1934, 1944, and 2000	9,800	Penn Plaza Self-Storage
B-12	1951	1,080	Destroyed by storm in 1996 and was not rebuilt (Environmental Associates 1997)

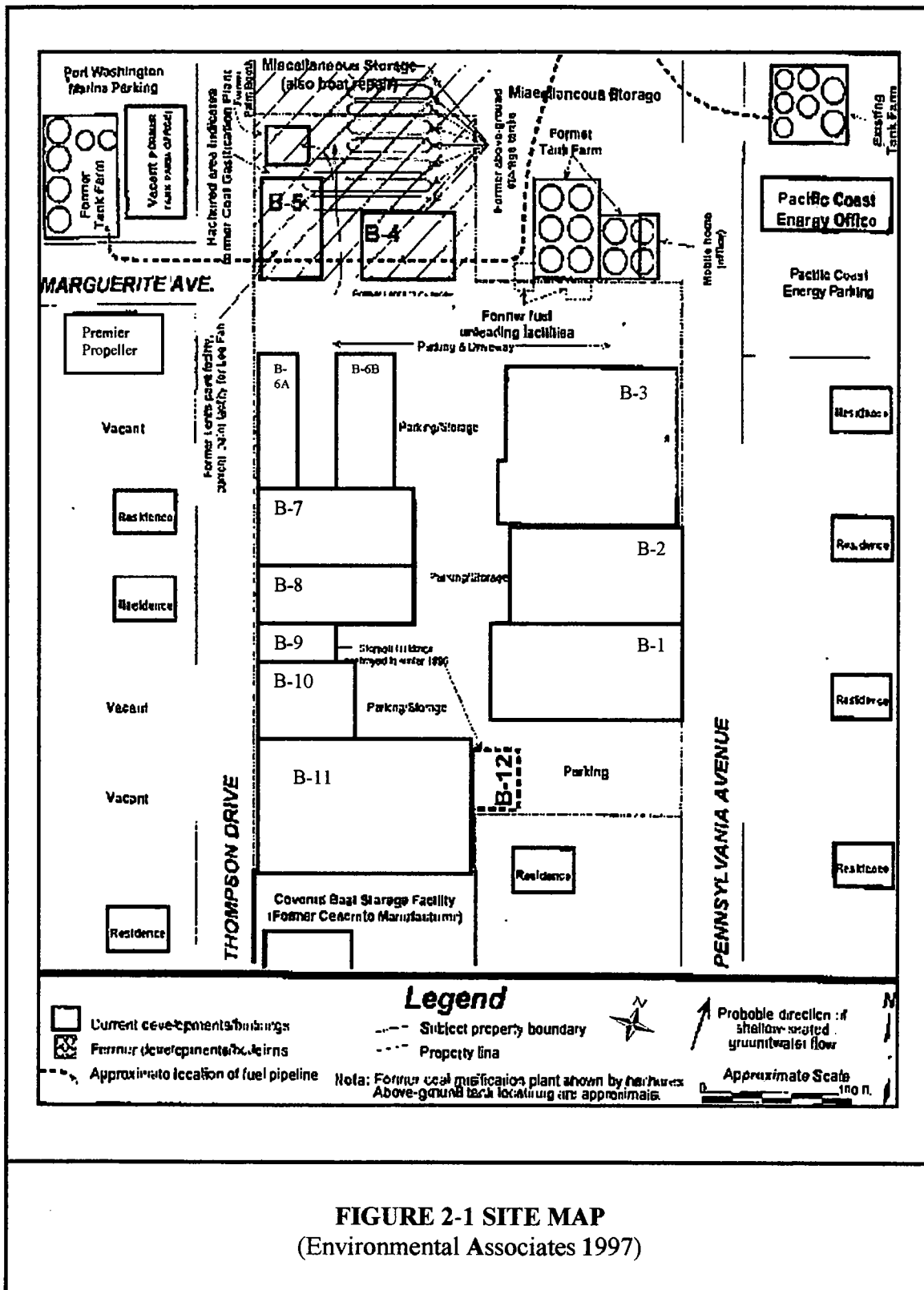


FIGURE 2-1 SITE MAP
 (Environmental Associates 1997)

3.0 TOPOGRAPHY AND HYDROGEOLOGY

3.1 TOPOGRAPHIC SETTING

The McConkey Properties are situated on a gentle north-facing slope approximately 40 to 50 feet above sea level. The southern three-quarters of the McConkey Properties are generally level, with a slightly steeper slope at the extreme northern property line. Based upon inference from topography and local drainage patterns, it appears that shallow-seated groundwater in the vicinity of the McConkey Properties may flow in a north to northeasterly direction. A copy of the U.S. Geological Survey (USGS) 7.5 minute topographic map is attached as Figure 3-1.

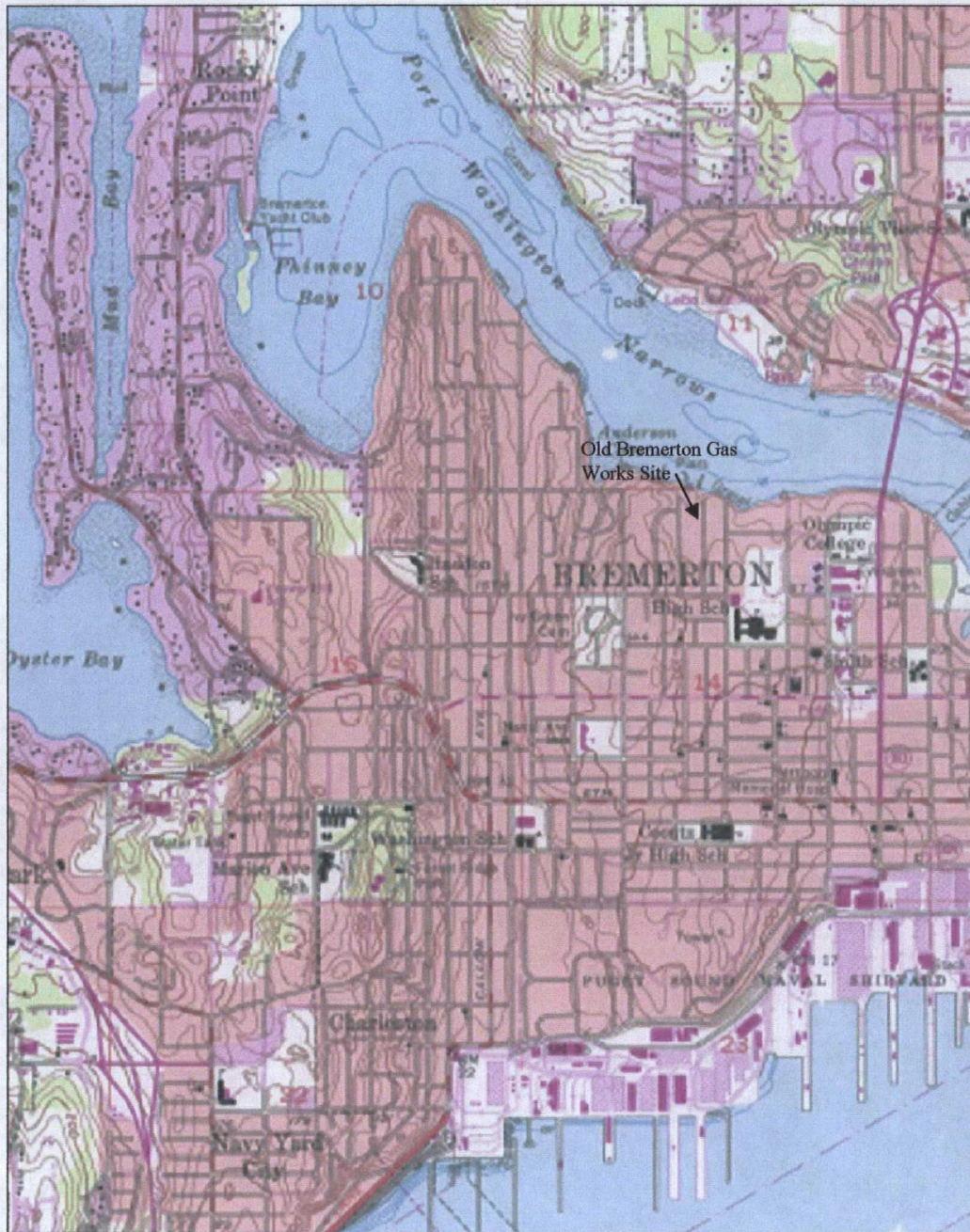
3.2 HYDROGEOLOGIC SETTING

The McConkey Properties are located approximately 100 feet south of Port Washington Narrows. The Port Washington Narrows is the channel through which Dyes Inlet drains into Sinclair Inlet and into Puget Sound (Hatchery Reform Recommendations 2003). The mean annual precipitation in Bremerton is 51.97 inches (Western Regional Climate Center 2006).

The aquifer system for the McConkey Properties is the Puget Sound Lowland aquifer (Ecology, 2002). In the Puget Sound lowland, the unconsolidated-deposit aquifers consist chiefly of glacial deposits. Sand and gravel that were deposited during the last period of glaciation compose the most productive aquifers in the lowland and generally form the upper 200 to 300 feet of the unconsolidated deposits. At depth, sand and gravel deposits typically are discontinuous lenses that can be present as much as 2,000 feet below the land surface. Although usually much less permeable at depth because of compaction, lenses of sand and gravel can yield large volumes of water to wells (Whitehead, 1994).

The surficial geology of the Puget Lowland consists mainly of Pleistocene glacial, alluvial, and marine sediments; little bedrock is exposed. Major Quaternary stratigraphic units exposed in coastal bluffs overlooking Puget Sound include non-glacial sand, silt, and clay which are overlain by a sequence of glacial deposits, primarily the Vashon Drift. The basal member of the Vashon Drift is a widespread deposit of dense glacial clay and silt, called the Lawton Clay Member. A deposit of sand, known as the Esperance Sand Member, overlies the Lawton Clay Member. For convenience these units will be referred to as the Lawton Clay and the Esperance Sand. The basal contact of the sand is transitional over a few tens of meters, where layers of sand and clay interfinger; within this transition zone, individual strata are laterally discontinuous. The Esperance Sand becomes pebbly near the top and grades into the Vashon Drift advance outwash. The Vashon Till, which is generally compact and hard, overlies the advance outwash or the Esperance Sand (Rex L. Baum et al., 1998).

The depth to groundwater at the McConkey Properties is estimated at 10 to 20 feet below ground surface (bgs) from previous reports (Environmental Associates 1997). The typical soil in that area is Alderwood and along the shoreline the typical soil is Dystric Xerorthents (U.S. Department of Agriculture 1980). Alderwood has a moderately rapid permeability to a cemented layer and dense glacial till and very slow permeability through them. Dystric Xerorthents have a moderate to rapid permeability and runoff potential (Kitsap County Health District 2001). The groundwater appears to flow in a north-northeastern direction (Environmental Associates 1997).



N
Scale: 1: 24,000

FIGURE 3-1 TOPOGRAPHIC MAP
(EDR 2006c)

4.0 SITE HISTORY AND LAND USE

Sources reviewed for information on the McConkey Properties included Sanborn maps of Bremerton for 1947 and 1968 (Environmental Data Resources (EDR) 2006b), Environmental Associates Phase I (Environmental Associates 1997), resources of Kitsap Regional Library, Deed information (Land Title Company 2006a and Land Title Company 2006b), aerial photographs for the years 1946 to 2003 (Aero-Metric), Kitsap County Assessor's Office, and the Kitsap County Auditor's Office.

4.1 PREVIOUS REPORTS

4.1.1 Interviews

As part of AAI, additional inquiries are required to be conducted with the owner of the subject properties. These inquiries include the following:

- Specialized knowledge or experience regarding the subject properties
- Relationship of the purchase price to the fair market value if the subject properties were not contaminated
- Commonly known or reasonably ascertainable information regarding the subject properties

4.1.1.1 Trip McConkey- Current Property Owner

During the interview for this Phase I TBA, the McConkey Properties owner was aware of all site activities to date. Mr. McConkey provided information on all of the current activities of the McConkey Properties and the current businesses located on the McConkey Properties, as presented in Table 2-1. Mr. McConkey's father, Paul McConkey, purchased the subject properties for a fair market value and was not aware at the time of the purchase of potential environmental problems.

Mr. McConkey reported no evidence on the McConkey Properties of a coal gas plant. He heard that waste from the gas plant went back into a barge and was sent to Tacoma to build roads. There are black bricks along the shoreline of Port Washington Narrows that have a distinct creosote smell. The black bricks are only visible during low tide. The origin and purpose of the black bricks are not known.

There are sinks located in Buildings B-1, B-2, and B-3. These sinks are connected to the City of Bremerton Sewer System. There are no septic tanks or drain fields. City of Bremerton Public

F:\WORK\Projects\Bremerton Gas Works\Old Bremerton Gas Works Phase I\Old Bremerton Gas Works Phase I McConkey Property.doc

Works put in a storm water system and sewer system main just south of the old Tank Farm Foundation on the Sesko Property and mns through Property 1 to Thompson Drive. There are four dumpsters on the McConkey Properties that are collected weekly by Waste Management.

Mr. McConkey mentioned two transformers left on Property 1 by Baird Webber. Baird Weber was an electrical contractor that rented Building B-2. The transformers were left about a year and a half ago at the time this report was prepared. There were no known spills in association with these transformers. They are now located in Building B-6B. Puget Sound Electric (PSE) was going to be sampling the transformers for polychlorinated biphenyls (PCB) the week of September 25, 2006. If the transformers have less than 1 parts per million (ppm) PCB, PSE will take them, but if they have more than 1 ppm PCB Mr. McConkey will find an appropriate contractor that will dispose of the transformers properly. PSE had not sampled the transformers at the time his report was prepared. There are currently no known hazardous materials stored on the McConkey Properties.

4.1.1.2 Sumy Becker- Ecology Project Manager

Ms. Becker was involved with the subject properties in approximately 1997. She worked with the two property owners, visited the subject properties, and ranked the subject properties as 1. Ms. Becker also drafted an Agreed Order but is unsure whether anything was done with the Draft Agreed Order. Soon after the Agreed Order was drafted Sunny Becker was no longer involved with the subject properties. According to Ms. Becker, a black gooey substance was found along the intertidal zone below the subject properties. There was no report done regarding the substance and she is not sure if there is any analytical data available on it. A few samples were taken to rank the subject properties.

4.1.1.3 Norm Peck- Ecology Investigation Officer

Mr. Peck reported that the subject properties were listed as contaminated with polycyclic aromatic hydrocarbons (PAHs) and metals. He did not recall if the subject properties were listed because of suspected PAHs and metals based on contaminants of concern at gas work sites or because of analytical data from sampling events. Mr. Peck visited the subject properties in March 1995 and collected three soil and marine sediment samples from the Sesko Property. He stated that the black gooey substance mentioned by Ms. Becker had a distinct creosote odor. The Old Bremerton Gas Works began operations approximately in the late 1920's and reportedly bought equipment from other gas work sites that were shutting down.

4.1.1.4 Melissa Montgomery- DNR

Ms. Montgomery stated that DNR, with the assistance of the Coast Guard, removed four boats off shore of Port Washington Narrows, below the subject properties. There was no sampling done during removal. One boat was left in place and that boat is identified as KED/Fletcher J. The KED/Fletcher J. is anchored off shore of Port Washington Narrows, below the subject

properties. DNR and the Coast Guard removed about 30,000 gallons of oil and water from the KED. They also removed around 100 5-gallon buckets that mostly contained water but had a slight sheen. The anchor was also replaced. They did not remove the boat because it would have cost around \$400,000 and they only receive \$500,000 per year to remove all of the derelict boats in Kitsap County. No sampling was done during the boat removal.

DNR noticed a sheen on the beach during low tide. The Seskos' removed some of the junk along the beach but were asked to leave the pilings and bricks because DNR did not want the sediments to be disturbed. There are also two supposed submarine pontoons on the beach left by the Seskos'. DNR is attempting to get the Seskos' to remove those submarine pontoons.

There is a lot of erosion and runoff occurring from the subject properties because the Seskos' clear-cut the brush along the edge of the Sesko Property. The runoff from Properties 1 and 2 goes to the Sesko Property and then onto the beach.

4.1.1.5 Courtney Wasson- DNR Land Manager

Ms. Wasson reported that a dive survey was conducted to determine the condition of the subtidal areas adjacent to the subject properties. There is a VHS-format videotape available. All that was found was a refrigerator and remnants of a boat. A survey was also done of the beach. There was a definite sheen coming from the KED. According to Ms. Wasson, the tanks that are referred to as submarine pontoons, in section 4.1.1.5, in actuality are not. They are tanks that contained hydrocarbons at one time. The air was monitored inside the tanks where increased levels of hydrocarbons were noted.

4.1.2 Site Investigation Summary

On January 22, 1992, Ecology made an unannounced inspection of Lee Fabricators located in Penn Plaza Industrial Park, 1725 Pennsylvania Avenue (Ecology 1992a). Ecology found an accumulation of one to two inches of sandblast grit outside the shed and informed Darrell Lee, the owner that the sandblast grit needed to be removed. Ecology also informed Darrell Lee that the sandblast grit needed to be tested, to receive a hazard classification under Washington Dangerous Waste Regulations. Ecology also observed outdoor storage of sealed ketones and paint sludges. Ecology informed Darrell Lee that he would need a hazardous waste generator number and would need to use manifest forms to track the disposal of the hazardous wastes.

On May 19, 1992, Darrell Lee sent a letter to Ecology regarding infractions from January 22, 1992 (Lee Fabricators 1992a). Lee Fabricators sent the sandblast grit to Bioassay Testing Services and the results indicated that the material was "unclassified". Based on this information, Lee Fabricators had not planned or implemented specific disposal or containment measures. Lee Fabricators received a hazardous waste generator number and contacted SOL-PRO, Inc. to dispose of all filled sludge drums.

July 15, 1993 to August 19, 1993 Ecology inspected Pier 44 Construction, CB Concrete, Lee Fabricators, Service Fuel Maintenance Facility, and an unnamed boat maintenance facility located on Properties 1 and 2 (Ecology 1993).

At CB Concrete during the July 15, 1993 to August 19, 1993 visit, Ecology found a large pile of waste concrete stored on the McConkey Properties, several dozen drums that were empty but had contained fiberglass resin, and two waste oil drums stored outside under an overhang but without secondary containment (Ecology 1993). The waste concrete needs to be stored under cover and surrounded by a berm. The several dozen empty drums need to be inventoried, checked to see if they are empty, and disposed of properly. The two waste oil drums need to have secondary containment.

During the July 15 to August 19, 1993, site visits at Pier 44 Construction, Ecology observed a large pile of concrete along the back fence of the McConkey Properties (Ecology 1993). There was also a concrete truck was parked on the McConkey Properties leaking liquid. During the time of the inspection Ecology noticed workers washing out the truck's concrete chute with a garden hose, allowing the liquid to discharge to ground and drain onto the neighboring property. The discharge to the ground without a state discharge permit constitutes a violation of the State Water Pollution Control Law. Ecology also observed that the ground around some of the steel forms was stained with diesel oil used as a release agent. It was recommended to provide covered areas and containment for all of the forms when they are being used to avoid future cleanup problems. The remainder of Property 1 was littered with steel forms; empty and partially filled drums; steel, Styrofoam, and concrete scraps; tires, and other debris. Ecology state that these wastes must be designated and disposed of properly. There was also a drum of acrylic sealant stored without secondary containment.

Several inches of spent slag were observed on the ground outside of a sandblast shed during the July 15, 1993 to August 19, 1993 visit at Lee Fabricators (Ecology 1993). Piles were also located at a low area of Property 2 near the embankment that goes down to Port Washington Narrows. Ecology informed Darrell Lee that the best management practice for handling sand blasting materials is to provide containment by confining all materials inside a permanent building or tarped enclosure, with daily cleaning to prevent material from migrating outside the enclosure or coming in contact with storm water. Darrell Lee said that he would have the place cleaned on a monthly basis but would not implement best management practices.

Ecology also observed during the July 15, 1993 to August 19, 1993 visit, piles of 55-gallon drums at various locations around the Penn Plaza Industrial Park (Ecology 1993). Some of the drums had open bungs and appeared to contain a dark oily substance. The drums were generally unlabeled as to their contents. Ecology recommended that the drums be sent to a drum recycler, and that drums with unknown contents must be handled as if they contain dangerous waste until it is determined otherwise through appropriate testing.

During the July 15, 1993 to August 19, 1993 inspection it was also observed that an unsafe dock adjacent to the shore accessed from the subject properties was in place (Ecology 1993). This was reported to the Department of Labor and Industries and the Bremerton Building Department.

The July 15, 1993 to August 19, 1993 inspection also observed several other businesses located on the McConkey Properties, but noted that they lacked signs or a means of identification (Ecology 1993). Ecology was told that one of the businesses was an electroplating company, which presented a concern because of hazardous chemicals used. A tenant also mentioned that unknown substances illegally discharged into the storm drainage system had backed up the Penn Plaza Industrial Park lot. In order to trace the potential source of such discharges, a complete list of tenant businesses was requested, so that Ecology could investigate their disposal practices.

Follow up inspections by Ecology, on March 9, 1994 and May 5, 1994, revealed that not much had changed from the July 15, 1993 to August 19, 1993 inspections (Ecology 1994a).

On May 9, 1995 a Site Hazard Assessment (SHA) was done for surface water, air, and groundwater at the subject properties at 1725 Pennsylvania Avenue (Ecology 1995c). Ecology observed that most of the 55-gallon dmms were no longer present, and the thirteen dmms adjacent to the fence on the western property line just north of Lee Fabricators' sand-blast shed were removed. The contents and whereabouts of these dmms were unknown. Ten dmms associated with CB Concrete Products were properly labeled and in good condition, but did not have any spill containment. In the absence of site-specific data and unconfirmed releases of hazardous substances from Penn Plaza Industrial Park, the ranking model could not be used.

The McConkey Properties and the Sesko Property were combined as one and assigned the name Old Bremerton Gasworks. These subject properties were added to the Hazardous Sites List on August 22, 1995 (Ecology 1996).

4.2 HISTORICAL RESOURCES

Sanborn Maps were located in the EDR search for historical records, and can be found in Appendix C (EDR 2006b). The maps illustrate the ownership and land use in addition to some details on the structures present at the McConkey Properties. Sanborn Maps were available for 1947 and 1968. The City Directory Abstracts did not provide information for the McConkey Properties. Historical USGS aerial photographs were reviewed for 1946, 1956, 1963, 1971, 1977, 1985, 1993, 1997, and 2003 (Appendix B) (Aero-Metric). Historical information is summarized in Table 4-1. This summary identifies the appearance of structures on the McConkey Properties as well as changes in land use or ownership.

Table 4-1
 Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
April 6, 1930	Board of Kitsap County Commissioners	D.C. Tenney, his heirs, successors	Not available	Ordinance No. 912 entitled: "An ordinance granting unto D.C. Tenney, his heirs, successors, and assigns a franchise for the purpose of furnishing the city of Bremerton, Washington with light, heat, and power by gas in the City of Bremerton, and the right, privilege, and franchise to construct, maintain, and operate gas works for the manufacturer and/or natural gas and to lay pipes and mains in the streets, avenues, lanes, alleys, highways, and other public places in the City of Bremerton.	Ordinance No. 912 (Land Title Company 2003)
January 5, 1931	Board of Kitsap County Commissioners	The Western Gas and Utilities Corporation	Not available	To lay, construct, maintain, repair and operate gas mains and gas pipes and all appendages thereto in certain described areas of Kitsap County, Washington.	Ordinance No. 912 (Land Title Company 2003)
January 10, 1931	Ira J. Macomber and Genevieve M. Macomber	The Western Gas and Utilities Corporation	Lots 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 14, and 15, Plat of Bay View Garden Tracts. (Property 1 and Property 2)	Warrant the described land to the described Grantee.	Statutory Warranty Deed (Land Title Company 2003)
October 1, 1931	The Western Gas and Utilities Corporation	The Western Gas Company of Washington	Lots 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 14, and 15, Plat of Bay View Garden Tracts. Also that portion of Government Lot 7, and Section 11, Township 24 North, Range 1 East, lying north of the North line of said Bay View Garden Tracts. (Property 1 and Property 2)	Assigned by Western Gas and Utilities Corporation to Western Gas Company of Washington, to lay, construct, maintain, repair and operate gas mains and gas pipes and all appendages thereto in certain described areas of Kitsap County, Washington..	Statutory Bargain and Sale Deed (Land Title Company 2003)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
August 2, 1939	The Western Gas Company of Washington	The City of Bremerton	Lots 1 and 2, Bay View Garden Tracts (McConkey Properties)	The Western Gas Company of Washington made an agreement with the City of Bremerton to lay a sewer across Lots 1 and 2 of Bay View Garden Tracts.	308382 Easement (Land Title Company 2003)
May 16, 1941	The Western Gas Company of Washington	City of Bremerton	Lots 4 and 5; the east half of Lot 3; and the east half of the South 40 feet of Lot 2, Supplemental Plat of Bay View Garden Tracts. (Property 1)	For the tide lands and waterfront area fronting and abutting on said water course or ravine.	Deed and Perpetual 336749 Easement (Land Title Company 2003)
1946	Not Applicable	Not Applicable	Property 1	Property 1 one was developed with the current buildings B-3, B-6, B-7, B-10, and the western portion of B-11. Residences were located in the current location of buildings B-1/B-2 and the current parking area.	(Environmental Associates 1997)
			Property 2	Property 2 was occupied by a former coal gasification plant. A buried pipeline ran along the southern edge of Property 2 serving all of the tank farms in the area. The area around the gas plant is very dark and stained.	
1946	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1946 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1946)
1947	Not Applicable	Not Applicable	Property 1	Structures on Property 1 included Lent's Inc. Pipe Shop, an Auto Shop, and Skeet Metal Shop and Plumbing Supply.	1947 Sanborn Maps (EDR 2006b)
			Property 2	The structures on Property 2 belonged to Western Gas Company. The buildings that are distinguishable are the Steel Tanks that hold the gas, an unknown structure just east of the Steel Tanks, oil and gasoline tanks surrounded by a concrete wall, diesel oil tanks, gas holders with a 15,000-cubic foot capacity, an unknown small rectangular structure, and a two story building with a boiler.	

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
October 15, 1952	The Western Gas Company of Washington	Bremerton Gas Company, a corporation	Tracts 1 and 2, except the south 40 feet measured parallel to the South line, Supplemental Plat of Bay View Garden Tracts. An easement for driveway over the east 25 feet of tracts 1, 2, and 3. (McConkey Properties)	For the purpose of dumping refuse and garbage and building a road and mechanical system for the dumping of ashes from an incinerator to be constructed by grantee on adjoining property, which said easement is perpetual and runs with the land; providing, further, however, that the grantor shall retain the perpetual right to dump ashes and cinders from its gas manufacturing plant in the said easterly portion of said lots.	Statutory Deed 565812 (Land Title Company 2003)
October 15, 1952	The Western Gas Company of Washington	Bremerton Gas Company	Not Available	Lay, construct, maintain, repair and operate gas mains and gas pipes and all appendages thereto in certain described areas of Kitsap County, Washington.	Ordinance No. 912 (Land Title Company 2003)
April 1, 1956	Bremerton Gas Company	Cascade Natural Gas Corporation	Approximately 1.5 acres in tracts 1 and 2, supplemental Plat of Bay View Garden Tracts, Kitsap County (Property 2)	Lay, construct, maintain, repair and operate gas mains and gas pipes and all appendages thereto in certain described areas of Kitsap County, Washington. Gas manufacturing and distribution system in the City of Bremerton consisting in general of plant building containing one 11,600 cubic foot water gas generator, one 25,000 cubic foot holder, two propane storage tanks with total capacity of 14,700 gallons, 23 miles of underground gas main, with laterals to 586 services in use and 914 inactive services; together with all necessary equipment for operation and maintenance thereof; and leasehold interest in office premises at 244 Burwell Street.	First Mortgage and Deed of Trust (Land Title Company 2003)
1956	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1956 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1956)
1963	Not Applicable	Not Applicable	Property 1	The following four buildings had been constructed on Property 1: B-2, B-1, B-8, and B-9 and the residences in the current parking area were still present.	(Environmental Associates 1997)
			Property 2	Additional horizontal above-ground storage tanks (ASTs) were present and a small retaining wall was located at the southwest corner above those ASTs.	

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
1963	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1963 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1963)
1968	Not Applicable	Not Applicable	Property 1	Structures on Property 1 included an equipment storage building, an unknown small rectangular shaped building, a pipe shop, a spray painting building, a pipe building, a building constructed in 1951, and two more unknown building.	1968 Sanborn Map (EDR 2006b)
			Property 2	Property 2 belonged to Cascade Natural Gas with no visible changes.	
1971	Not Applicable	Not Applicable	Property 2	A structure replaced three or four of the ASTs near the current buildings B-4 and B-5.	(Environmental Associates 1997)
1971	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1971 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1971)
August 24, 1972	Cascade Natural Gas Corporation	Harold D. Lent and T. Blomberg of Lent, Blomberg, & Lent	Tracts 1 and 2, except the South 40 feet of said Tract 2, as measured parallel along the South line, thereof, Supplemental Plat of Bay View Gardens tracts.	To do business as Lent, Blomberg, & Lent	Real Estate Mortgage (Land Title Company 2003)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
January 1, 1974	Lent, Blomberg, & Lent	Lease to Lent's, Inc.	Parcel 1: The North 3 feet of Lot 19, and all of Lots 20, 21, 22, and 23, of Joseph Daly's Garden Tracts. Parcel 2: The South 34 feet of Lot 2 and all of Lots 3, 4, and 5 in Supplemental Plat of Bay View Garden Tracts, also any right to tidelands and waterfront area fronting and abutting on the natural water course or ravine along the easterly portion of Lot 1, Supplemental Plat of Bay View Garden Tracts and fronting on the last 25 feet of said Lot 1. Parcel 3: Last half of the following described property: Commencing at a point 430 feet West and 772.96 feet North of the Southeast Corner of Lot 1, Section 14, Township 24 North, Range 1, East, W.M., thence North 66 feet, thence East 330 feet, to the point of beginning, containing one half acre more or less, subject to all existing roadways. Parcel 4: Tracts 1 and 2, Except the South 40 feet of said Tract 2, as measured parallel along the South line thereof, Supplemental Plat of Bay View Gardens Tracts. With an easement over the North 6 feet of the South 40 feet of said Tract 2, for roadway. Together with tidelands of the first class abutting and in front of said property. (McConkey Properties and Sesko Property)	To do business as Lent's, Inc.	Deed (Land Title Company 2003)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
April 16, 1974	Irene Lent, individually, and as Executrix of the Will and Estate, of H.D. Lent, and Theodore C. Blomberg and Marian J. Blomberg, his wife, doing business as Lent, Blomberg and Lent	Theodore C. Blomberg and Marian J. Blomberg	Tracts 1 and 2, Except the South 40 feet of said Tract 2, as measured parallel along the South line thereof, supplemental Plat of Bay View Garden Tracts.	Not applicable	Quit Claim (Land Title Company 2003)
May 6, 1977	Theodore G. Blomberg and Marian J. Blomberg	Rainier National Bank	Parcel 1: The North 8 feet of lot 19, and all of lots 20, 21, 22, and 23 of Joseph Daly's Garden Tracts. Parcel 2: The South 34 feet of Lot 2 and all of lots 3, 4, and 5 in Supplemental plat of Bay View Garden Tracts. Parcel 3: East half of the following described property, southeast corner of Lot 1, Section 14, Township 24 North, Range 1, East. Parcel 4: Tracts 1 and 2, except the South 40 feet of Tract 2, as measured parallel along the South line thereof, Supplemental Plat of Bay View Garden Tracts. (McConkey Properties and Sesko Property)	Not applicable	Mortgage (Land Title Company 2003)
1977	Not Applicable	Not Applicable	Property 1	Property 1 is developed with all current buildings, including the two buildings destroyed in winter of 1996/1997.	(Environmental Associates 1997)
			Property 2	There are no ASTs, although the plant structures located farther north were still present.	(Environmental Associates 1997)
1977	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1977 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1977)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
December 11, 1979	Theodore Blomberg and Marian J. Blomberg	F. Paul McConkey and Margaret M. McConkey	Lot 1, Supplemental Plat of Bay View Garden Tracts and Lot 23, Plat of Joseph Daly's Garden Tracts. Purchasers are aware that there are existing oil and gasoline supply lines owned by the sellers and also that there are supply lines leased by sellers to Afiantic Richfield Oil Company which cross the subject properties, being sold from the existing dock facilities and which lie within the easterly 110 feet of the herein described property, the exact location not known at the time of the sale. Sellers reserve unto themselves, their successors, assigns, and or lessees an easement to allow access to the dock existing on the first class tidelands abutting the subject properties described in this contract for the purpose of loading and off-loading operations and also reserve an easement over the easterly 110 feet as measured parallel to the East boundary of the subject properties, described in the contract of sale providing for the operation, maintenance, installation, removal, repair, and servicing of those underground oil and gasoline supply lines. (McConkey Properties and Sesko Property)	It is understood and agreed that the dock facilities, pipelines, valves, and all other appurtenant oil handling equipment installed on the subject properties or adjacent or abutting thereto is not included in this sale. Tank Farm and related equipment, oil dock and inventory of bumer oil, all described in Exhibit A- There is a tank farm and loading dock located on the following described real property and including ten 20,000-gallon fuel tanks above ground with related pumps, valves, and bulkheads. Beginning at the junction of Pennsylvania Avenue and the north boundary of easement right-of-way in north portion of Lot 22, Joseph Daly Garden Tracts and portions of Lot 23. There is an oil dock located in that portion of Lot 1, Supplement Plat of Bayview Garden Tracts and Lot 23, Plat of Joseph Daly's Garden Tracts, and which also extends out over tidelands owned by the State of Washington described as follows: All harbor areas in front of tract 23 and the west half of Pennsylvania Avenue (Daly's avenue) in the plat of Joseph Daly's Garden Tracts in Lot 1, Section 14, Township 24 North, Range 1 East.	Real Estate Contract (Land Title Company 2003)
November 1, 1980	Lent's, Inc.	Theodore C. Blomberg and Marian J. Blomberg	That portion of Lots 22 and 23, Plat of Joseph Daly's Garden Tracts. (McConkey Properties and Sesko Property)	Parties entered into a Lease dated January 18, 1974.	Agreement to Partially Terminate lease (Land Title Company 2003)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
May 29, 1984	Service Fuel, Inc.	To Whom it may concern	1725 Pennsylvania Avenue, Bremerton, Washington	Letter from Service Fuel, Inc. wishing to cancel and make null their first right of refusal for the subject properties at 1725 Pennsylvania Avenue in Bremerton Washington.	Letter from Service Fuel, Inc. (Land Title Company 2003)
August 8, 1984	Theodore C. Blomberg and Marian J. Blomberg	Land Title Company of Kitsap County	Parcel 1: The South 34 feet of Tract 2 and all of Tracts 3, 4, and 5, supplemental Plat of Bay View Garden Tracts, City of Bremerton. Parcel 2: The North 8 feet of Lot 19, and all of lots 20, 21, 22, and 23 of Joseph Daly's Garden Tracts. Except that a portion of said lot 23 lying North of Southwest corner of Lot 1. Parcel 3: Tracts 1 and 2, except the south 40 feet of said Tract 2, as measured parallel along the South line thereof, Supplemental plat of Bay View Garden Tracts. Except that portion of Tract 1 lying north of the Southwest Corner of lot 1. Parcel 4: The east half, except any portion within Thompson Drive of the following described property: Commencing at a point 430 feet West and 772.96 feet North of the Southeast corner of Lot 1, Section 14, Township 24 North, Range 1 East W.M. Parcel 5: Together with an easement over the North 6 feet of the South 40 feet of Tract 2, Supplemental plat of Bay View Garden Tracts for roadway. (McConkey Properties and Sesko Property)	Not applicable	Deed of tmst (Land Title Company 2003)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
August 1, 1984	Theodore C. Blomberg and Marian j. Blomberg	Paul McConkey and Margaret M. McConkey	Parcel 6: Portion of Lot 1, Supplemental Plat of Bay View Garden Tracts and Lot 23, Plat of Joseph Daly's Garden Tracts together with tidelands of the first class abutting and in front of said property. Parcel 1: The South 34 feet of Tract 2 and all of Tracts 3, 4, and 5, Supplemental Plat of Bay View Garden Tracts. Parcel 2: The North 8 feet of Lot 19, and all of Lots 20, 21, 22, and 23 of Joseph Daly's Garden Tracts. Except that a portion of said Lot 23 lying North of Southwest corner of Lot 1. Parcel 3: Tracts 1 and 2, except the south 40 feet of said Tract 2, as measured parallel along the South line thereof, Supplemental plat of Bay View Garden Tracts. Except that portion of Tract 1 lying north of the Southwest Corner of lot 1. Parcel 4: The east half, except any portion within Thompson Drive of the following described property: Commencing at a point 430 feet West and 772.96 feet North of the Southeast corner of Lot 1, Section 14, Township 24 North, Range 1 East W.M. (McConkey Properties and Sesko Property)	Not applicable	Warranty Fulfillment Deed (Land Title Company 2003)
1985	Not Applicable	Not Applicable	Property 1	Property 1 appears much as it did in 1997, except there appeared to be less material stored in the central parking/storage area.	(Environmental Associates 1997)
			Property 2	All coal gasification plant structures had been removed and this area appears to be used for drum storage.	(Environmental Associates 1997)
1985	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1985 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1985)

Table 4-1 (Continued)
Historical Use of Site

Date	Grantor	Grantee	Location	Details	Source
January 3, 1992	City of Bremerton	F. Paul McConkey and Margaret M. McConkey	Parcel "A" That portion of Lot 23, Joseph Daly Garden Tracts, and Lots 1 and 2, Supplemental Plat of Bay View Garden Tracts together with tidelands of the first class abutting and in front of said property.- 0.4 acres- Business Park, owned by Paul McConkey. Parcel "B" That portion of Lot 23, Joseph Daly Garden Tracts- 1 acre, Business Park, owned by Paul McConkey. Parcel "C" that portion of Lot 23, Joseph Daly Garden Tracts, and Lots 1 and 2, Supplemental Plat of Bay View Garden Tracts.- 0.34 acres, Business Park owned by Paul McConkey. Lot "A"- that portion of Lots 22 and 23, Joseph Daly Garden Tracts. And Lot 1, Supplemental Plat of Bay View Garden Tracts. And Lot "D"- Lot 22, Joseph Daly's Garden Tracts. (Property 2 and Sesko Property)	Boundary Line Adjustment	Declaration of Boundary Line Adjustment (Land Title Company 2003)
1993	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1993 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1993)
1997	Not Applicable	Not Applicable	McConkey Properties	Observations from the 1997 aerial photograph confirm information obtained from other sources.	(Aero-Metric 1997)
2003	Not Applicable	Not Applicable	McConkey Properties	Observations from the 2003 aerial photograph confirm information obtained from other sources.	(Aero-Metric 2003)

5.0 SITE OBSERVATIONS

The Owner Mr. McConkey and Patrick Vasicek with Art Anderson Associates, escorted representatives from EPA Region 10, City of Bremerton Department of Public Works, and TechLaw, to the subject properties during the Phase I TBA site visit on September 13, 2006. A second site visit was made on September 20, 2006 by TechLaw to speak with Mr. McConkey at length and view the shore during low tide. Mr. McConkey provided information and history of the subject properties. Photographs of the subject properties and the Photograph Diagram are presented in Appendix A.

5.1 GENERAL CONDITIONS

Old Bremerton Gas Works Site is split up into three different properties (Figure 1-2). Property 1 and 2 belong to Mr. McConkey and the Sesko Property belongs to Natacha Sesko.

Property 1 contains eleven buildings. The current occupants of these buildings are found in Table 2-1. The ground is protected by asphalt and was resealed on April 6, 2006. There is a stain on the asphalt next to building B-4 underneath a heating oil AST. There are also two transformers stored on the subject properties within building B-6B. The transformers have no apparent leaks, are in good condition, and do not contain a sticker with PCB information. Information regarding the transformers is found in Section 5.8 below.

Property 2 contains large cement bricks, some miscellaneous materials, and no permanent buildings. There is also a very distinguished mark on the asphalt where the gas holder was located. The gas holder was an AST where the purified gas was stored before distribution. The size of the gas holder is currently unknown. McConkey said that he has not resealed the asphalt located on Property 2. There are no observed cracks in the asphalt. Located below Property 2 along the shoreline are black bricks, wooden poles, and two large tanks, that used to contain hydrocarbons. The area had a distinct creosote smell.

5.2 UTILITIES

Potable water, sewerage, and natural gas are provided to the McConkey Properties through underground utilities located along Pennsylvania Avenue and Thompson Drive. Figure 5-1 is the City of Bremerton Storm Sewer Map. Figure 5-2 is the City of Bremerton Water System Map. Electricity is provided through a pole-mounted transformer located on the east side of Marguerite Avenue, west of the intersection of Thompson Drive and Marguerite Avenue. The pole-mounted transformer did not appear to have any staining on or beneath it and appeared to be in good condition. There was also no visible PCB information located on the transformer. There are two

transformers located on Property 1 but they are in an enclosed building and reportedly will not remain on Property 1 for much longer. Further information regarding the two transformers located on Property 1 is found in Section 5.8.

5.3 WASTEWATER AND STORMWATER

5.3.1 Wastewater

Industrial wastewater is not generated at the McConkey Properties. The McConkey Properties are connected to the City of Bremerton sanitary sewer service. There is a sewer main that runs across the Sesko Property, southwest of the former tank farm foundation, through Property 1, to Thompson Drive, which is shown in Figure 5-1. The sewer main also runs along Pennsylvania Avenue and Thompson Drive shown in Figure 5-1. One Combined Sewer Overflow (CSO) outlet is located near the subject properties. The CSO outlet identification is OF-10 and it is located at the end of Pennsylvania Avenue along Port Washington Narrows. A CSO release of 59,858 gallons occurred at OF-10 on December 24, 2005. There is continued sampling at OF-10 for nutrients, fecal coliforms, total suspended solids, biological oxygen demand, EPA Priority Pollutant Metals, and organics. Also located at OF-10 is an auto dialer to notify regulatory agencies when a CSO occurs (City of Bremerton Department of Public Works 2005).

5.3.2 Storm water

No storm water catch-basins are located on the McConkey Properties. The storm water catch-basins are located along Pennsylvania Avenue and Thompson Drive, which is shown in Figure 5-1. Storm water from the McConkey Properties will flow to the city storm drain. Ms. Montgomery with Washington DNR stated that runoff from Property 1 and 2, flows to the Sesko Property, and from the Sesko Property to the shoreline of Port Washington Narrows, into Port Washington Narrows. She says this is due to the Sesko's clearcutting the brush away from the edge of the Sesko Property, along the slope above Port Washington Narrows. A storm water main runs through the Sesko Property, southwest of the old tank farm foundation, through Property 1, to Thompson Avenue (Elsen 2005). One CSO outlet is located near the subject properties. Information regarding the CSO is located in Section 5.3.1.

5.4 ABOVEGROUND AND UNDERGROUND STORAGE TANKS

A heating oil AST is located on the northeast corner of Building B-4, on Property 1. The AST is assumed to still be active and belongs to SC Fuels. SC Fuels has been contacted to inquire about the heating oil AST and no further information has been obtained regarding the heating oil

AST. There is a stain on the asphalt below the AST. Vent pipes, fill pipes or access ways that would have indicated the presence of USTs were not observed.

5.5 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

An AST was observed on the northeast corner of Building B-4 on Property 1. Mr. McConkey said that the AST contained heating oil and belonged to SC Fuels. Information regarding this AST is found in Section 5.4. There were no other observations of storage of hazardous substances or petroleum products at the McConkey Properties during the Phase I TBA site visit. Although several vehicles are stored on Property 1 that could provide a source for petroleum contamination, there was no evidence of leakage from these vehicles. A stain was observed on the asphalt below the heating oil AST. No other evidence of recent releases of hazardous substances or petroleum products was observed during the visit to the McConkey Properties.

5.6 SOLID WASTE

There are four dumpsters located on Properties 1 and 2. One dumpster is located outside of the front door of Building B-4; one is located in line with the western edge of Building B-3 at the right-of-way; one is located outside of Building B-1, along the center of the western side of the building; and the last dumpster is located on the southwest corner of Building B-5. The dumpsters are collected weekly by Waste Management. No hazardous waste or petroleum products are disposed of in the dumpsters.

5.7 DRAINS AND SUMPS

There were no drains or sumps observed on the McConkey Properties. Mr. McConkey said that they have no septic tanks, drain fields, or floor drains located on the McConkey Properties.

5.8 POLYCHLORINATED BIPHENYLS

There were two transformers observed on Property 1. The transformers were left on Property 1 in Building B-2, when Baird Weber went out of business. Baird Weber was an electrical contractor that rented Building B-2. The transformers were left around March of 2005. The transformers are now located in Building B-6B. PSE has offered to test the transformers for PCBs, but have not tested them as of November 10, 2006. As soon as the transformers have been tested Mr. McConkey will contact us with the sample results. PSE will take them if there is

less than 1 ppm of PCB. If there is more than 1 ppm of PCB, Mr. McConkey will find an appropriate contractor to remove them off of the subject properties and dispose of them properly.

5.9 WATER SUPPLY

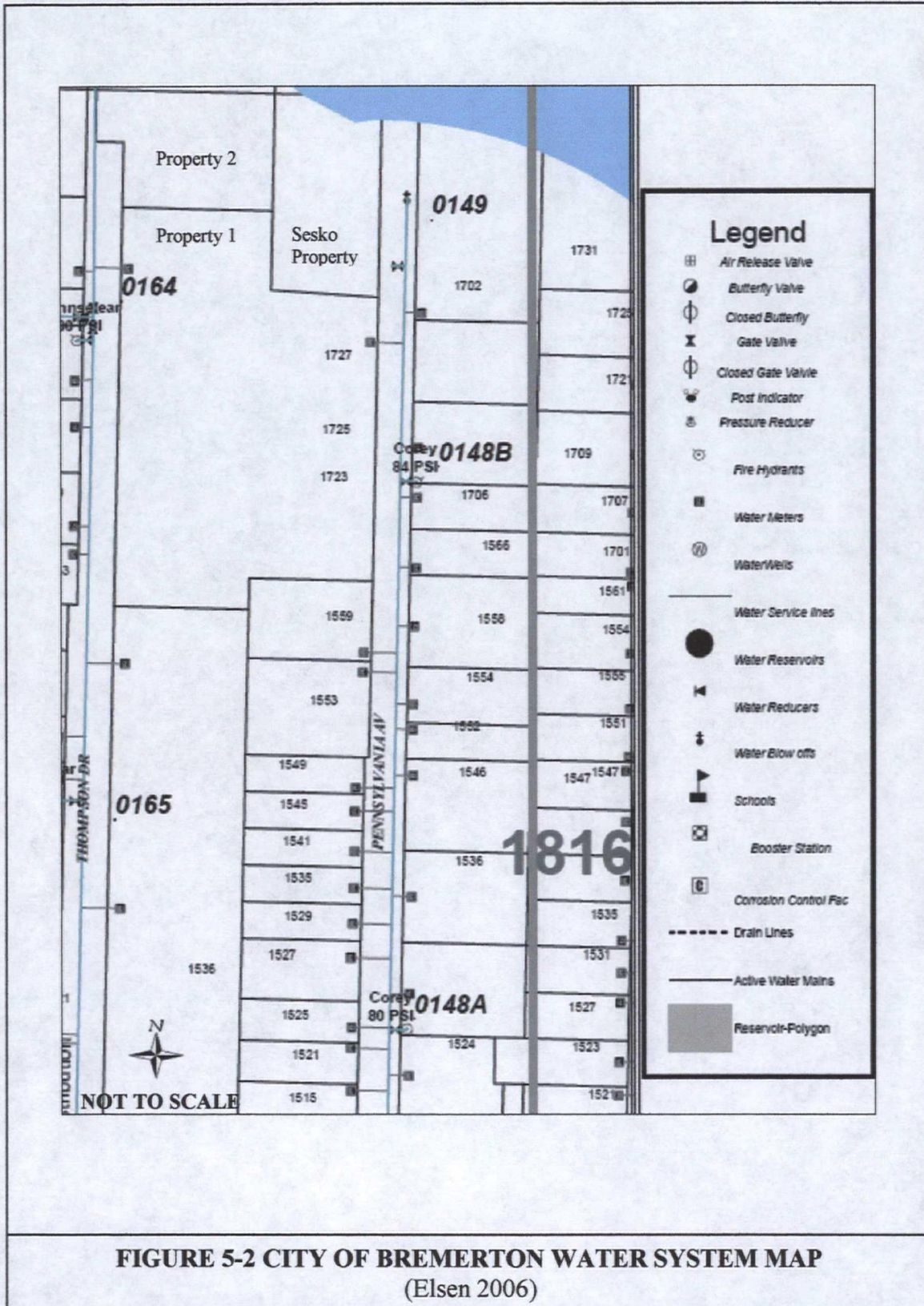
Potable water is supplied to the McConkey Properties by the Bremerton Department of Public Works, which is shown in Figure 5-2. Bremerton's water supply comes primarily from the Union River and is supplemented with groundwater from area wells. One Public Water Supply well is located approximately 1 ¼ mile south-southeast of the McConkey Properties. The depth of the well is not reported. Two additional wells are located within half a mile from the McConkey Properties. One of these two wells is 135 feet bgs and pumps water from 127 feet bgs and the other well is 292 feet bgs.

Four monitoring wells are located on SC Fuels Property at 1702 Pennsylvania Avenue. A monitoring well is also located on Pennsylvania Avenue in the right-of-way. SC Fuels has been contacted to retrieve the water quality information from these wells. No water wells or monitoring wells were observed at the McConkey Properties during the Phase I TBA site visit.

5.10 PITS, PONDS, AND LAGOONS

No pits, ponds, or lagoons were observed at the McConkey Properties during the Phase I TBA site visit.





6.0 PROVIDED INFORMATION

Mr. McConkey, owner of two of the three subject properties and of Penn Plaza Industrial Park, was interviewed and provided site-specific information regarding the subject properties. Mr. McConkey was aware of the use of the subject properties prior to his ownership. Mr. McConkey had obtained title searches and no activity and use limitations were found. Information obtained from Mr. McConkey is incorporated into the appropriate subsections of this report.

6.1 NEIGHBORING PROPERTIES

Bordering the McConkey Properties is Port Washington Narrows, a body of water located in Bremerton, Washington. It is the channel through which Dyes Inlet drains into Sinclair Inlet and into Puget Sound. The Narrows divide the city of Bremerton into east and west portions, which are connected by the Manette Bridge and the Warren Avenue Bridge (Hatchery Reform Recommendations 2003).

The McConkey Properties are bounded on the northwest by Port Washington Marina, which has 81 slips located in Port Washington Narrows. Port Washington Marina's address is 1805 Thompson Drive. At their facility, they offer slips, metered power, showers, laundry, water, phone jacks, cable TV access, and pump out.

West of the McConkey Properties is Premier Propeller, owned by Gregory Stewart. The address for Premier Propeller is 1701 Thompson Drive. Premier Propeller sells and repairs computerized boat propellers. Ownership history for the Premier Propeller property is located in the bullets below.

- April 15, 1998, Gregory Stewart purchased 1701 Thompson Drive property from Andor Distributing, Inc through a quit claim deed.
- November 1, 1992, Andor Distributing, Inc. rented the property to Joe Harry Kowalski and Joyce E. Kowalski, who owned Joes Homestead Furniture. The lease ran until October 31, 1996. The Kowalski's agreed to renovate the present office warehouse building, including the roof, into an office warehouse residence.
- April 1, 1983, Andor Distributing, Inc. purchased 1701 Thompson Drive property from Eugene C. Lobe and Naomi A. Lobe. There was a distributing office and warehouse located on 1701 Thompson Drive property. It is assumed that Andor Distributing, Inc was involved in the fuel distributing industry because of a MSDS found from Chevron Regular Gasoline dated September 9, 1991.

- February 15, 1978, Eugene C. Lobe and Naomi A. Lobe purchased 1701 Thompson Drive property from Atlantic Richfield Company. Eugene C. Lobe and Naomi A. Lobe owned Gene Lobe Distributors, Inc. 1701 Thompson Drive property was used for a petroleum distribution business.
- Atlantic Richfield Company was formerly the Atlantic Refining Company, a successor by merger to Richfield Oil Corporation. Atlantic Richfield Company is a global oil and gas enterprise. It appears that the Richfield Oil Corporation tank farm is the former tank farm located in the western corner in Figure 2-1. The 1947 Sanborn map confirms that that Richfield Oil Corporation had a tank farm located on that property (EDR 2006b).

East-northeast of the McConkey Properties is the Sesko Property. The Sesko Property comprises approximately 0.55 acres and does not have any current uses due to on-going legal issues with the City of Bremerton (Kitsap County Assessor's Office 2006). The Sesko Property is currently zoned as Marine Industrial (McConkey 2006b). Prior to the William and Natacha Sesko purchasing the Sesko Property, the property belonged to Paul McConkey. Paul McConkey had the boundary line adjusted before selling the property to William and Natacha Sesko. The ownership history of the Sesko Property prior to Paul McConkey's ownership is found above in Table 4-1.

Located northeast of the McConkey Properties is SC Fuels, at 1702 Pennsylvania Avenue. SC Fuels is a Southern California company that also goes under the name Pacific Northwest Energy Company. There are ASTs located on SC Fuels Bremerton Property. SC Fuels provides businesses or homes with products from Union 76 to home heating oil. Ownership history for 1702 Pennsylvania Avenue is located in the bullets below.

- Between 1988 and the present it is unclear who owned the 1702 Pennsylvania Avenue property and when property ownership switches occurred.
- On July 1, 1988, James Willard Bennett and Dorothea Mae Bennett conveyed a quit claim unto Wilkins Distributing Co., Inc.
- On November 5, 1980, James W. Bennett and Dorothea M. Bennett purchased the 1702 Pennsylvania Avenue property from T. Clinton Blomberg and Rosalie Blomberg.
- December 15, 1976, Lent's, Inc. leased 1702 Pennsylvania Avenue property to Bremerton Oil, Inc. Bremerton Oil, Inc. was planning on installing a new heat plant.
- October 1, 1976, T. Clinton Blomberg and Rosalie Blomberg rented the 1702 Pennsylvania Avenue property to Lent's, Inc.

- October 1, 1976, T. Clinton Blomberg and Rosalie Blomberg purchased the 1702 Pennsylvania Avenue Property from Pedersen Oil Company, Inc.
- December 30, 1975, Pedersen Oil Company, Inc. purchased the 1702 Pennsylvania Avenue property from Mobil Oil Corporation. Mobil Oil Corporation was formerly Socony Mobil Oil Company, Inc., who was a successor by merger to General Petroleum Corporation.

Southeast of the McConkey Properties is a boat storage/mini-storage facility that was formerly a concrete plant. The former concrete plant property now belongs to Mr. McConkey and is part of the Penn Plaza Industrial Park. Bordering west, east, and southwest of the former concrete plant property are primarily residential areas.

Land use in the vicinity of the McConkey Properties consists of commercial operations, marine industrial zoning, and residential areas. Port Washington Narrows is used for recreational boating and fishing. No evidence of releases of hazardous materials/wastes from operations at the adjoining properties was observed during the Phase I TBA site visit.

6.2 AGENCY DATABASE REVIEW

Regulatory agency database lists were researched (EDR 2006a). The database search radius was one mile from the McConkey Properties. The database results were reviewed to identify sites that could have a potential to adversely affect environmental conditions at the McConkey Properties. EPA and agency documents and lists were reviewed for the search distances specified in ASTM E1527-05. The results of the database search are provided in Appendix C.

The direction of shallow groundwater flow is to the north-northeast towards Port Washington Narrows. Sites located upgradient or cross-gradient of the McConkey Properties are discussed in this section. A listing and description of the databases searched and number of sites confirmed to be located within the applicable radii are presented in Table 6-1.

The subject properties are shown on the Unmapped Sites List as having records in the RCRA small quantity generator (SQG) list, Confirmed and Suspected Contaminated Sites List (CSCSL), Brownfields Site List, and the EDR Manufactured Gas Plants Database. These listings are consistent with the documentation reviewed in the Ecology file.

Pacific Northwest Energy Company/ SC Fuels, located at 1702 Pennsylvania Avenue, is at a slightly higher elevation and located north-northeast of the McConkey Properties. This company is cross-gradient from the McConkey Properties but at a higher elevation and directly across Pennsylvania Avenue. Pacific Northwest Energy Company is listed in the RCRA-SQG list,

CSCSL list, UST database, Hazardous waste manifest list, VCP list, and Information Collection Request Remedial Action Reports List.

American Marine Industries located approximately $\frac{1}{4}$ of a mile south-southwest from the McConkey Properties, at 1500 Thompson Drive, is listed under RCRA-SQG. American Marine Industries is no longer an active RCRA-SQG. The facility is listed under Industrial Classification Concrete Products, Except Block and Brick (Ecology 2006).

Puget Sound Naval Shipyard is located approximately $\frac{1}{2}$ to 1 mile south of the McConkey Properties listed as a Department of Defense (DoD) Site. The Puget Sound Naval Shipyard is also a NPL site (EPA 2005).

Pederson Oil Site is located at 2100 19th Avenue, approximately $\frac{1}{8}$ to $\frac{1}{4}$ mile west from the McConkey Properties and is listed under CSCSL and VCP.

The following sites are located on the CSCSL list: Bremerton School District Haddon, located approximately $\frac{1}{2}$ to 1 mile west-southwest at West 15th Street and Lafayette Avenue; Newmans Chevron located approximately $\frac{1}{2}$ to 1 mile south-southwest at 2021 6th Street; Albertsons, Inc. located approximately $\frac{1}{2}$ to 1 mile south-southwest at 6th Street and Naval Avenue; Lamberts Radiator Shop located approximately $\frac{1}{2}$ to 1 mile west-southwest at 3338 Kitsap Way; and City Hand Laundry approximately $\frac{1}{2}$ to 1 mile south-southeast at 1002 4th Street.

Located on the LUST list is Pump Station CW-1 located approximately $\frac{1}{4}$ to $\frac{1}{2}$ mile west of the McConkey Properties at 2304 19th Avenue.

Coca Cola at 2304 19th Avenue, located approximately $\frac{1}{4}$ to $\frac{1}{2}$ mile south-southeast is on the LUST and ICR list.

Bremerton Public Works located at 1548 Warren Avenue, approximately $\frac{1}{3}$ to $\frac{1}{2}$ mile east-southeast is on the LUST list.

Bremerton City Electronics Shop, approximately $\frac{1}{4}$ to $\frac{1}{2}$ mile east-southeast at 1548 Warren Avenue and Puget Power- Hewitt Substation, approximately $\frac{1}{4}$ to $\frac{1}{2}$ mile south at 11th Street and Hewitt Avenue are both on the ICR list.

6.3 AGENCY CONTACTS

The agencies contacted for information related to the McConkey Properties and surrounding properties are listed below. Telephone interviews were conducted information regarding building permits, USTs, environmental violation or incidents, and the status of enforcement actions at the McConkey Properties. A summary of relevant findings is provided below.

- **DNR.** Melissa Montgomery and Courtney Wasson were contacted by telephone regarding any documents or reports pertaining to the McConkey Properties (Wasson 2006 and Montgomery 2006). Their interviews are documented in Sections 4.1.1.5 and 4.1.1.6. They acknowledged a derelict boat removal and having a done a survey of the shoreline. They confirmed environmental problems associated with the debris on the shoreline but did not have any reports. They have a survey of the shoreline located north-northwest of the McConkey Properties and will be sending a copy.
- **Ecology.** Norm Peck and Sunny Becker confirmed the removal of the derelict boat and that the subject properties are listed as contaminated with PAHs and Metal. Their interviews are located in Sections 4.1.1.3 and 4.1.1.4. They also mentioned that there was a black gooey substance in the intertidal zone below the subject properties with a distinct creosote odor (Peck 2006a and a 2006). Sunny Becker said that a few samples were taken to rank the subject properties (Becker 2006a). They referred to the Ecology reports on file. These reports have been retrieved and the information has been used to provide more specific detail about the McConkey Properties for this report (refer to Section 4).
- **Bremerton Fire Department.** Bonny Macintosh was contacted regarding the McConkey Properties (Macintosh 2006). She was able to look into the database from last year. There was no information regarding the subject properties. A formal request was made to look further back into the Bremerton Fire Department files. The files only go back to 1999. No files have been at the time this report was prepared.
- **Kitsap County Assessors Office.** A search was performed at Kitsap County Assessors Office. Mr. McConkey had already performed a title search for the McConkey Properties and the neighboring properties. No further information regarding these properties was located.
- **Kitsap County Auditors Office.** A search was performed at Kitsap County Auditors Office. Mr. McConkey had already performed a title search for the McConkey Properties and the neighboring properties. No further information regarding these properties was located.

Table 6-1
Agency Database Summary

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
NPL	The EPA NPL identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost-effective than removal action.	1 mile	0
Proposed NPL List	The EPA Proposed NPL database identifies sites that have been proposed to be listed on the NPL database	1 mile	0
Delisted NPL List	The EPA Delisted NPL database identifies NPL sites that have been delisted when "no further response is appropriate" under the Superfund program.	0.5 mile	0
CORRACTS List	The EPA CORRACTS database identifies hazardous waste handlers with RCRA corrective action activity.	1 mile	0
Federal RCRA TSD sites	RCRA TSD site listing	0.5 mile	0
Federal CERCLIS/NFRAP	The CERCLIS database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. CERCLIS NFRAP sites are also included.	0.50 mile	0
Federal RCRA Generators, Resource Conservation and Recovery Information System (RCRIS)	RCRA-regulated hazardous waste generator notifier list; both large quantity generators (LQG) and SQG are included in this list.	Adjoining and nearby property (0.25 mile)	0 (LQG) 3 (SQG)

Table 6-1 (Continued)
Agency Database Summary

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
Record of Decision (ROD)	ROD documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.	1 mile	0
DoD	Property that is owned by, leased to, or otherwise possessed by the United States and under the jurisdiction of the Secretary of Defense.	1 mile	1
Formerly Used Defense Sites (FUDS)	The DoD is responsible for environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and under the jurisdiction of the Secretary of Defense.	1 mile	1
Federal institutional and engineering controls databases	EPA's listing of sites with engineering or institutional controls in place.	0.50 mile	0
Federal Brownfields sites	Sites identified by the EPA as addressed by Targeted Brownfield Assessments and as recipients of Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreements.	0.5 mile	1
Indian reservations	Tribal lands equal to or greater than 640 acres	1 mile	0
CSCSL	CSCSL is the State equivalent to CERCLIS. Sites contained in the CSCSL may or may not already be listed on the Federal CERCLIS list.	1 mile	13
State solid waste disposal and landfill (SWLF/LF)	State inventory of solid waste disposal and landfill sites	0.5 mile	0
State hazardous waste sites (SHWS)	SWHS records are the state's equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified, along with where cleanup will be paid for by potentially responsible parties.	1 mile	0

Table 6-1 (Continued)
Agency Database Summary

Type of Database	Description of Database	Radius Searched	Number of Sites Identified
MANIFEST	Hazardous waste MANIFEST data. MANIFEST is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.	Adjoining and nearby property (0.25 mile)	1
State LUST	List of information pertaining to all reported LUST	Adjoining and Nearby property (0.5 mile)	3
State UST	State UST sites listing	Adjoining and Nearby property (0.25 mile)	1
State institutional controls list	State listing of sites with institutional controls in place.	0.25 mile	0
Independent cleanup reports (ICR)	These are remedial action reports Ecology has received for either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree.	Nearby property 0.5 mile	4
Volunteer VCP	The VCP offers people the opportunity to work proactively with state government to address necessary cleanup of a property to return it to productive use.	Nearby property 0.5 mile	2
EDR Manufactured Gas Plants	The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers	1 mile	1
Unmapped Sites List	Sites that have not been plotted on a map, based on lack of sufficient data regarding their exact location within the general area	-	20

7.0 DATA GAPS

ASTM E 1527-05 guidelines stipulate that historic site uses shall be identified back to the properties' first developed use or 1940, whichever is earlier. Available records provide historic site use information from April 6, 1930 through current site use. Sanborn maps provided documentation of site development in 1946 and 1968 (EDR 2006b). USGS topographic map coverage was found for years 1938, 1953, 1973, and 1981 (EDR 2006c). The aerial photographs were used to determine changes in use at the McConkey Properties between 1946 and 2003 (Aero-Metric). In addition, the reports written for Ecology provide documentation of historical uses of the McConkey Properties from 1946 through 1997. However, historical information before 1930 is not readily available, so the lack of definitive information back to the properties' first developed use is a data failure. This data failure is not considered a significant data gap, as the available historical information was sufficient to identify Historical RECs at the McConkey Properties.

Soil, sediments, and groundwater have not been sampled on Properties 1, Property 2, and groundwater upgradient of the McConkey Properties has not been sampled. It is unknown if petroleum contamination occurred at the former fuel facilities on Properties 1 and 2, or if metals contamination occurred at the areas of sandblast grit and slag near Lee Fabricators. Results of sampling of two transformers currently located in Building B-6B are pending at the time of this writing.

8.0 FINDINGS

Based on the visual observations and information discussed in Sections 2 through 7 of this report, the following findings are presented regarding the McConkey Properties located at 1725 Pennsylvania Avenue, Bremerton, Kitsap County, Washington. Information has been retrieved that demonstrates Historical RECs are a concern at the McConkey Properties.

8.1 MCCONKEY PROPERTIES

The McConkey Properties are currently owned by Trip McConkey who manages Penn Plaza Industrial Park.

The McConkey Properties have historically been commercial in nature as far back as historical records reach (to 1930). Historical records document that an ordinance was granted by Board of Kitsap County Commissioners to D.C. Tenney on April 6, 1930. The ordinance entitled D.C. Tenney, his heirs, successors, and assigns a franchise for the purpose of furnishing Bremerton with light, heat, and power by gas and the franchise to construct, maintain, and operate gas works for the manufacture and/or natural gas and to lay pipes and mains in the streets, avenues, lanes, alleys, highways, and other public places in the City of Bremerton. This franchise was then passed onto The Western Gas and Utilities Corporation in 1931.

The Western Gas and Utilities Corporation purchased Property 2 and part of Property 1 from Ira and Genevieve Macomber on January 10, 1931. On October 1, 1931 The Western Gas and Utilities Corporation changed their name to The Western Gas Company of Washington. A small portion of Properties 1 and 2 was sold to the City of Bremerton between 1939 and 1941. Bremerton Gas Company bought a small piece of land from The Western Gas Company of Washington in 1952 for the purpose of dumping refuse and garbage, building a road and mechanical system for dumping ashes from an incinerator to be constructed. This dumping area was also for The Western Gas Company of Washington to use. It does not appear from subsequent historical records, interviews or agency files that the incinerator was ever constructed.

On April 1, 1956 Cascade Natural Gas Corporation purchased 1.5 acres from the Bremerton Gas Company, which is Property 2. Property 2 consisted of a plant building containing one water gas generator, one gas holder, two propane storage tanks, 23 miles of underground gas main, and all of the necessary equipment for operation and maintenance of this facility.

On November 1, 1980 Theodore and Marian Blomberg sold the Sesko Property to Service Fuel, Inc. with all easement rights for the oil dock, underground oil dock, underground oil supply line and underground gasoline supply line.

January 22, 1992 Ecology made an unannounced inspection of Lee Fabricators. They observed accumulation of sandblast grit and outdoor storage of ketones and paint sludges. In 1993, Ecology returned to inspect the Penn Plaza Industrial Park. They found a large piles of waste concrete, several dozen empty dmms that contained fiberglass resin, two waste oil dmms stored outside without secondary containment. They also observed a concrete tmck leaking liquid; workers washing out a truck's concrete chute with a garden hose, allowing the liquid to discharge to the ground; some of the steel forms were stained with diesel oil; spent slag on the ground; and various types of debris is littered around Property 1 and 2. There was also mention of unknown substances illegally discharged into the storm drainage system that caused the system to back up.

DNR also mentioned that there are two large tanks located on the shore that used to contain hydrocarbons. During high tide these tanks are under water.

During the site visit on September 13, 2006, a stain was observed on the asphalt next to Building B-4 underneath a heating oil AST. The AST belongs to SC Fuels.

Based on the history of the McConkey Properties, it is possible that PAH and metal contamination remains in subsurface soil and sediments. Petroleum contamination may be present in soil and groundwater in the northern portion of the McConkey Properties, which were used for fuel storage and distribution. The present status of contamination at the McConkey Properties cannot be determined using existing data, which is outdated. The environmental condition of the McConkey Properties cannot be assessed without further analytical data.

8.2 PROPERTY VICINITY

It is unknown if the McConkey property has been adversely impacted by current or past off site use, storage, handling, and disposal practices involving hazardous materials or wastes or petroleum products. Groundwater contamination at the properties located up gradient of the McConkey Properties is unknown. Several upgradient facilities have the potential to affect the McConkey Properties. SC Fuels, located northeast of the McConkey Properties, is enrolled in Ecology's VCP. Pederson Oil Site, located approximately 1/8 to 1/4 of a mile west of the McConkey Properties, is also on the CSCSL list and is enrolled in Ecology's VCP. Bremerton School district, Newmans Chevron, Albertsons, Inc., Lamberts Radiator Shop, and City Hand Laundry are all on the CSCSL list, and located approximately 1/2 to 1 mile away from the McConkey Properties. Pump station CW-1, Coca Cola, and Bremerton Public Works, are documented to have had leaking USTs, and are located approximately 1/4 to 1/2 mile away from

the McConkey Properties. In addition, a former tank farm northwest of the McConkey Properties was associated with a former fuel distribution facility at the 1701 Thompson Avenue property; although it appears that the facility was located at the property currently considered as the Port Washington Marina, located at 1805 Thompson Avenue. Black bricks, a black gooey substance, creosote odor, hydrocarbon-containing tanks, and a sheen have all been noted at the shoreline of Port Washington Narrows, north of the McConkey Properties.

9.0 OPINIONS

The Phase I TBA performed for the McConkey Properties was conducted in conformance with the scope and limitations of ASTM Standard E 1527-05. This assessment identified potential RECs due to the history of the McConkey Properties, their uses as a gas works facility, bulk fuel storage facility, and contamination reported in site soil and sediments. Additional investigation of petroleum concentrations in site soils, sediments and shallow groundwater is recommended. The investigation should also include analysis of upgradient groundwater.

10.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

November 10, 2006

To: Environmental Protection Agency
Region 10
1200 Sixth Ave
Seattle, WA 98101

To the concerned parties:

I have performed a Phase I Environmental Site Assessment in conformance with the scope and limitation of 40 CFR Part 312 and ASTM E 1527-05 of Lot 23 of Parcel 1 Bay View Garden Tracts; Lots 1 and 2 of Supplement Plat of Bay View Garden Tracts; and Lots 22 and 23 of Joseph Daly Garden Tracts, Bremerton, Kitsap County, Washington. Any exceptions to, or deletions from this practice are described in Section 11.0 of this report.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 §CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

November 10, 2006

Richard J. Howard

Date

Environmental Professional

11.0 DEVIATIONS

The interior of all of the buildings on-site were not accessed because tenants were unavailable to provide access.

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TARGETED BROWNFIELDS ASSESSMENT REPORT
OLD BREMERTON GAS WORKS SITE
TechLaw, Inc.
Contract No. EP-S7-06-03

Section 12.0
Date: 11/10/2006
Page 12-5

APPENDIX A

Site Photographs



Photo 1. Old Tank Farm Foundation located on Sesko Property. Facing Northwest. September 13, 2006.



Photo 2. Second Old Tank Farm Foundation located on the Sesko Property. Facing Northwest. September 13, 2006.



Photo 3. View of markings the Gas Holder left on the ground on the west side of the property owned by P. Trip McConkey. Facing West. September 13, 2006.

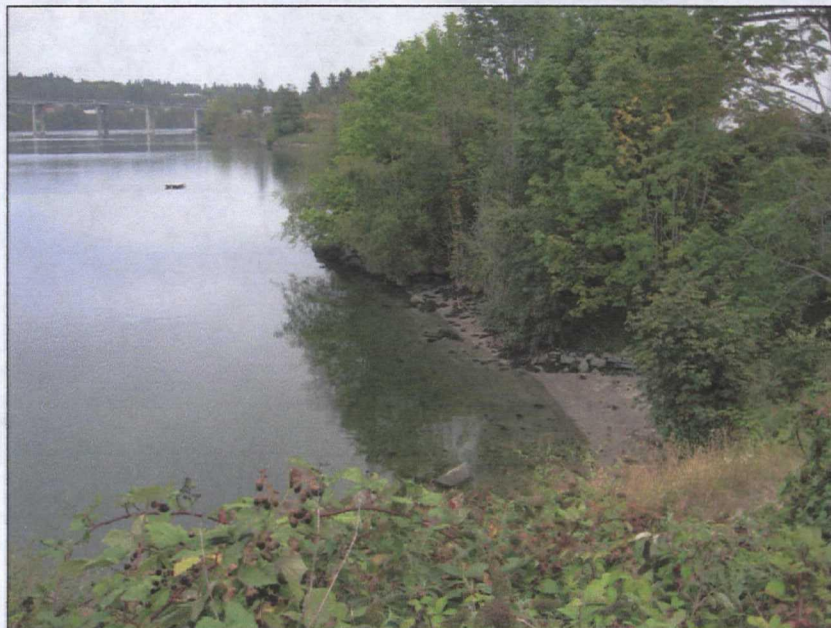


Photo 4. View of the beach on the North side of the Sesko Property. Facing North. September 13, 2006.



Photo 5. Abandoned drum found along the bank of the beach on the Sesko Property. Facing South. September 13, 2006.

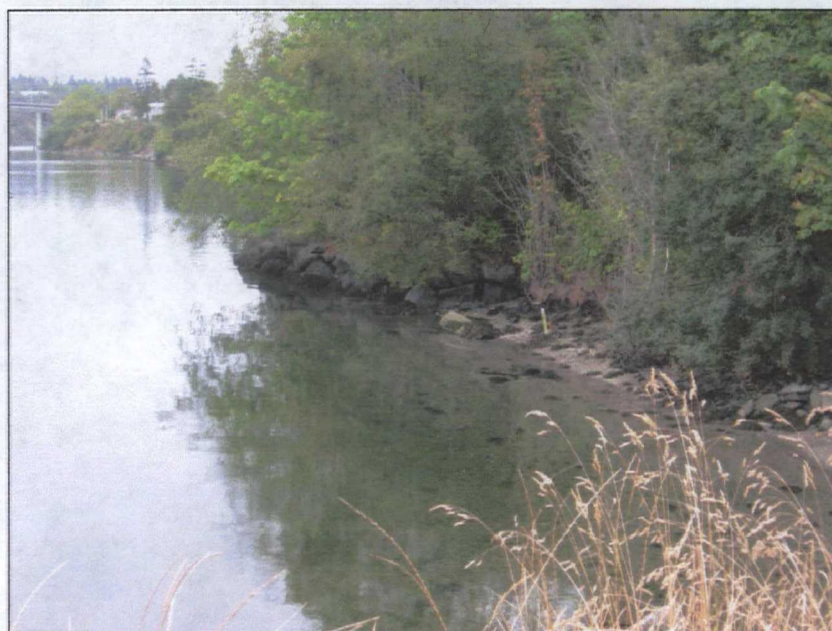


Photo 6. View of location where marina formerly located below SC Fuels Property. Facing North. September 13, 2006.



Photo 7. View of old car battery located along water under the Sesko Property. Facing Northwest. September 13, 2006.



Photo 8. View of location of where a UST was removed next to the tank farm on the Sesko Property. Facing East. September 13, 2006.



Photo 9. View of Stain on Cement under an AST
next to Building B-4. View facing South.
September 13, 2006.



Photo 10. View of a close-up of black bricks below the McConkey Property on the beach. DNR Land. Facing Southwest. September 13, 2006.



Photo 12. View of old pole leaning against bank below the McConkey Property located on DNR Land. Noticed a creosote odor. Facing Southeast. September 13, 2006.



Photo 13. Pole on beach below the McConkey Property on DNR Land. Slight creosote odor. Facing northeast. September 20, 2006.



Photo 14. View of Large cement blocks below the Sesko Property on DNR Land. Facing Northeast. September 20, 2006.

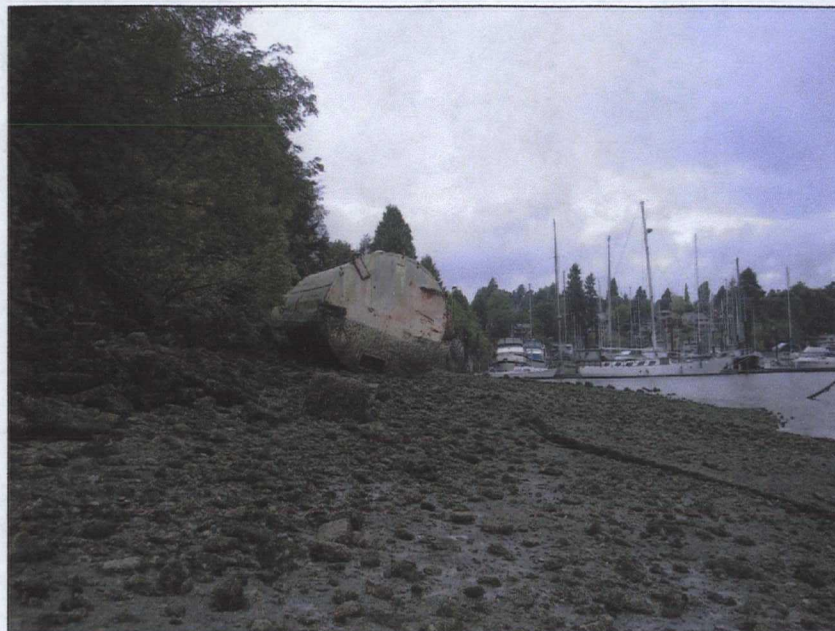


Photo 15. Water Tanks below the McConkey Property located on the DNR beach. Facing West. September 20, 2006.



Photo 16. Sesko Property with SC Fuels in the background. Cement blocks in the foreground mark western edge of Sesko Property and eastern edge of McConkey Property. Facing East. September 20, 2006.



Photo 17. McConkey Property by Water Front taken from Western Edge of Sesko property. Facing West. September 20, 2006.



Photo 18. Transformers in storage located in Building B-6B. Facing South. September 20, 2006



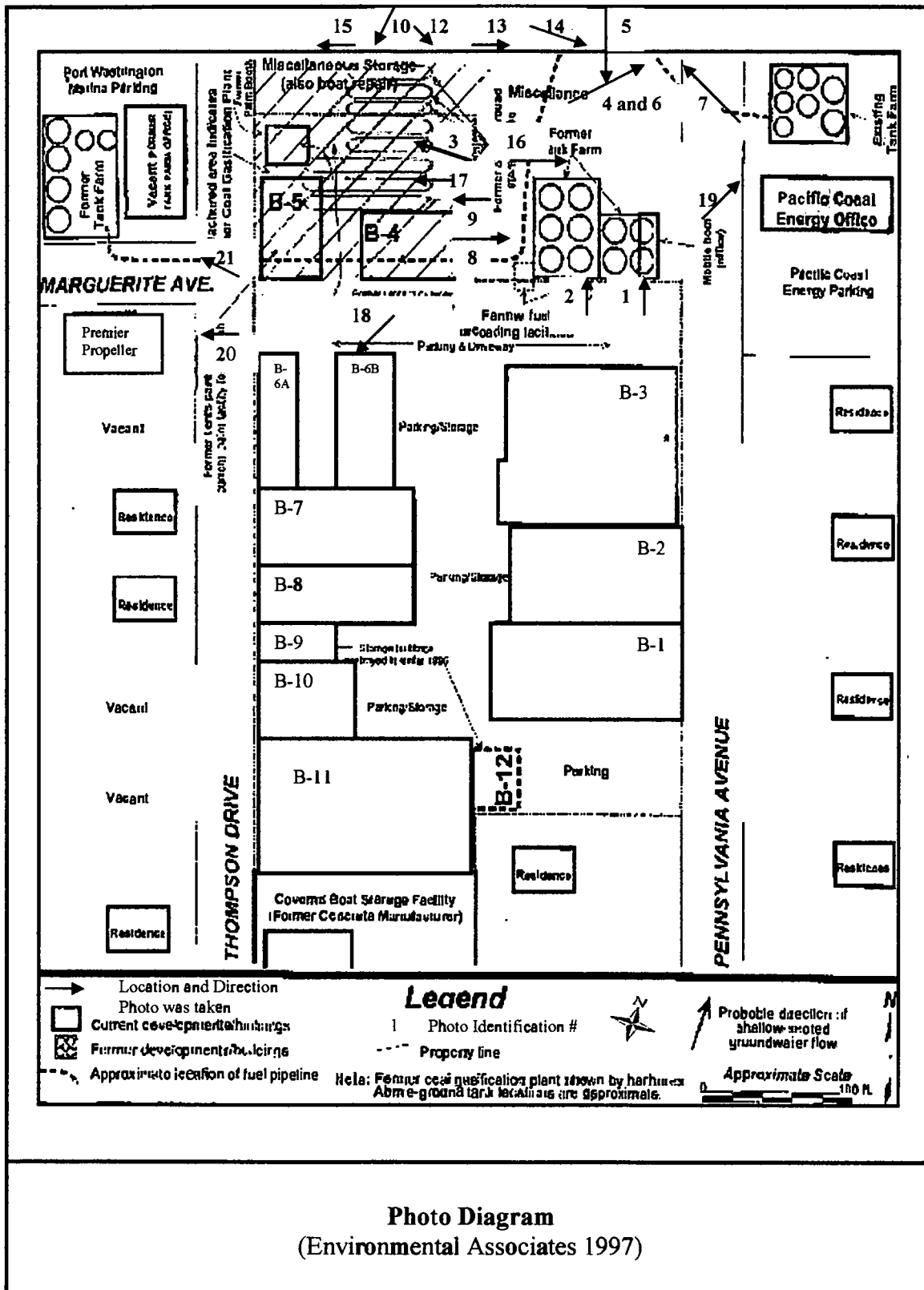
Photo 19. View of SC Fuels located northeast of the site along the water. Facing Northeast. September 12, 2006.



Photo 20. View of Premier Propeller located west of the site. Facing West. September 12, 2006.



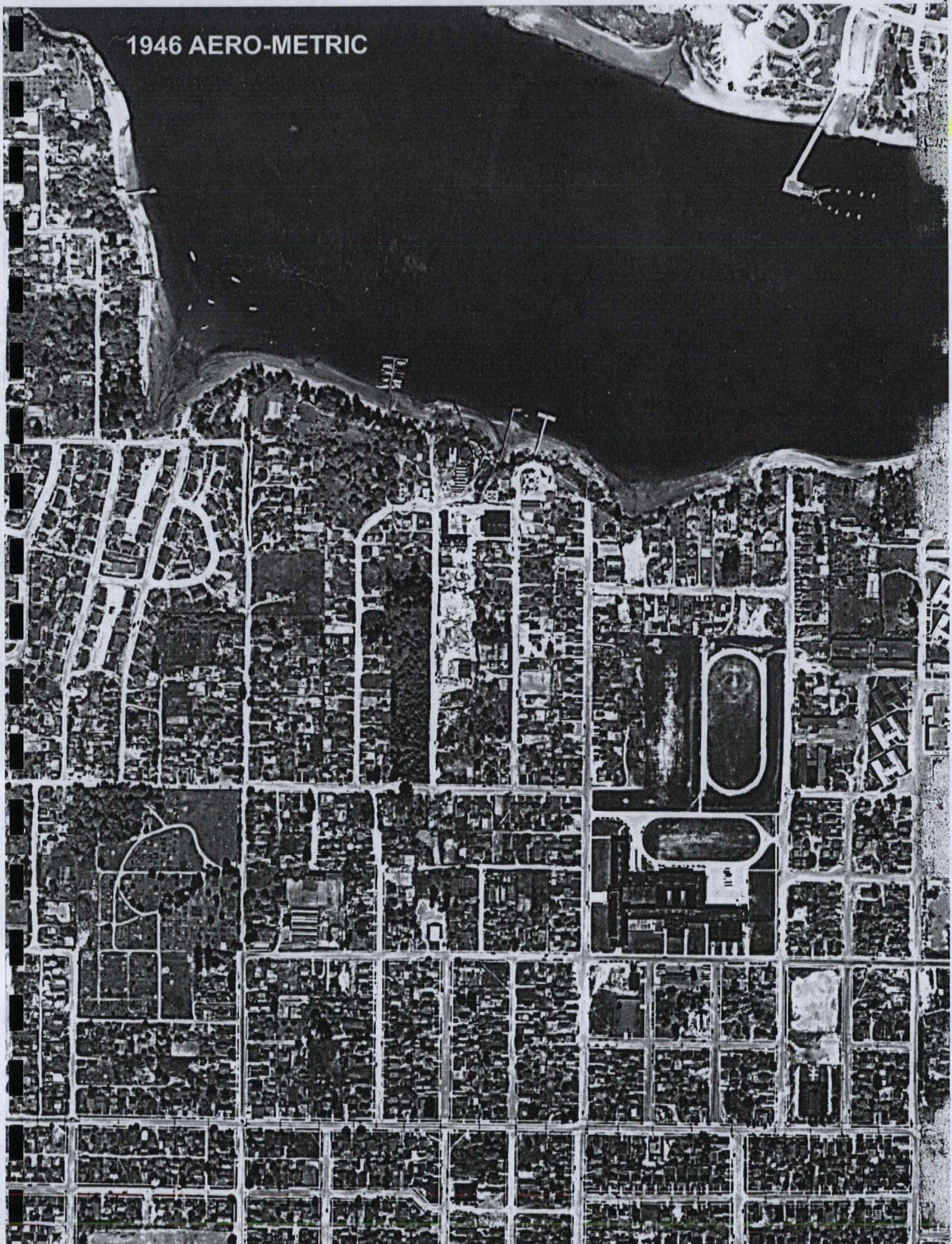
Photo 21. View of Port Washington Marina located northwest of site along the water. Facing Northwest. September 12, 2006.



APPENDIX B

Historical Aerial Photographs

1946 AERO-METRIC



1956 AERO-METRIC



1963 AERO-METRIC



1971 AERO-METRIC



1977 AERO-METRIC



1985 AERO-METRIC



1993 AERO-METRIC



1997 Aero-Metric



2003 Aero-Metric



APPENDIX C

EDR Database Report

(Including Sanborn Maps and Topographic Maps)



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Bremerton Gas Works
Pennsylvania Avenue
Bremerton, WA 98337**

Inquiry Number: 1745466.2s

August 29, 2006

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06461**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

PENNSYLVANIA AVENUE
BREMERTON, WA 98337

COORDINATES

Latitude (North): 47.577800 - 47° 34' 40.1"
Longitude (West): 122.642200 - 122° 38' 31.9"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 526908.1
UTM Y (Meters): 5269219.5
Elevation: 42 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47122-E6 BREMERTON WEST, WA
Most Recent Revision: 1981

East Map: 47122-E5 BREMERTON EAST, WA
Most Recent Revision: 1981

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

EXECUTIVE SUMMARY

CORRACTS.....	Corrective Action Report
RCRA-TSDF.....	Resource Conservation and Recovery Act Information
RCRA-LQG.....	Resource Conservation and Recovery Act Information
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
FUDS.....	Formerly Used Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSL.....	Hazardous Sites List
CSCSL NFA.....	Confirmed & Contaminated Sites - No Further Action
SWF/LF.....	Solid Waste Facility Database
SWTIRE.....	Solid Waste Tire Facilities
AST.....	Aboveground Storage Tank Locations
SPILLS.....	Reported Spills
INST CONTROL.....	Institutional Control Site List
DRYCLEANERS.....	Drycleaner List
CDL.....	Clandestine Drug Lab Contaminated Site List
NPDES.....	Water Quality Permit System Data
EMI.....	Washington Emissions Data System
Inactive Drycleaners.....	Inactive Drycleaners

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>OLO BREMERTON GASWORKS & SESKO</i>	<i>1725 PENNSYLVANIA AV.</i>	<i>0 - 1/8 S</i>	<i>A2</i>	<i>9</i>
<i>PACIFIC NORTH ENERGY</i>	<i>1702 PENNSYLVANIA AVENU</i>	<i>0 - 1/8 S</i>	<i>A5</i>	<i>11</i>
<i>AMERICAN MARINE INDUSTRIES</i>	<i>1500 THOMPSON DR</i>	<i>1/8 - 1/4 SSW</i>	<i>9</i>	<i>24</i>

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PUGET SOUND NAVAL SHIPYARD</i>		<i>1/2 - 1 S</i>	<i>0</i>	<i>6</i>

STATE AND LOCAL RECORDS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 05/11/2006 has revealed that there are 13

EXECUTIVE SUMMARY

CSCSL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OLD BREMERTON GASWORKS & SESKO	1725 PENNSYLVANIA AV	0 - 1/8 S	A1	6
PACIFIC NORTH ENERGY	1702 PENNSYLVANIA AVENU	0 - 1/8 S	A5	11
PEDERSON OIL SITE	2100 19TH ST	1/8 - 1/4 W	B8	19
BREMERTON SCHOOL DIST HADDON	LAFAYETTE AVE / W 15T	1/2 - 1 WSW	17	32
NEWMANS CHEVRON	2021 6TH ST	1/2 - 1 SSW	18	33
ALBERTSONS INC	6TH ST / NAVAL AVE	1/2 - 1 SSW	19	34
LAMBERTS RADIATOR SHOP	3338 KITSAP WY	1/2 - 1 WSW	23	48
CITY HAND LAUNDRY	1002 4TH ST	1/2 - 1 SSE	24	51

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
EVERGREEN PARK BREMERTON	14TH ST / SHELDON BLV	1/2 - 1 ESE	16	29
BREM AIR DISPOSAL INCORPORATED	512 SHELDON BOULEVARD	1/2 - 1 ESE	E20	35
LOFTHUS BULK PLANT	510 SHELDON BLVD	1/2 - 1 ESE	E21	41
CHEVRON TANK FARM PORT WA NAR	1310 HIGHLAND AVE	1/2 - 1 ESE	22	45
PARK AVENUE CLEANERS	421 PARK AVE	1/2 - 1 SE	25	58

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 06/08/2006 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUMP STATION CW-1	2304 19TH AVE	1/4 - 1/2 W	10	24
COCA COLA	1600 12TH STREET	1/4 - 1/2 SSE	C12	26
BREMERTON PUBLIC WORKS	1548 WARREN AVENUE	1/4 - 1/2 ESE	D13	27

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 06/08/2006 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC NORTHWEST ENERGY CO BR	1702 PENNSYLVANIA AVE	0 - 1/8 S	A4	10

MANIFEST: Hazardous waste manifest information.

A review of the WA MANIFEST list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 WA MANIFEST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC NORTH ENERGY	1702 PENNSYLVANIA AVENU	0 - 1/8 S	A5	11

EXECUTIVE SUMMARY

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 05/11/2006 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC NORTHWEST ENERGY CO BR	1702 PENNSYLVANIA AVE	0 - 1/8 S	A4	10
PEDERSON OIL SITE	2100 19TH ST	1/8 - 1/4 W	B7	17

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 4 ICR sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TOSCO BULK PLANT/PACIFIC COAST	1702 PENNSYLVANIA AVE.	0 - 1/8 S	A6	16
COCA COLA PLANT (FORMER)	1600 12TH ST.	1/4 - 1/2 SSE	C11	25
BREMERTON CITY ELECTRONICS SHO	1548 WARREN AVE.	1/4 - 1/2 ESE	D14	28
PUGET POWER - HEWITT SUBSTATIO	11TH ST. / HEWITT AVE	1/4 - 1/2 S	15	28

BROWNFIELDS: A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/11/2006 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OLD BREMERTON GASWORKS & SESKO	1725 PENNSYLVANIA AV	0 - 1/8 S	A2	9

EDR PROPRIETARY RECORDS

EDR Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OLD BREMERTON GAS WORKS	1725 PENNSYLVANIA AVE	0 - 1/8 S	A3	10

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

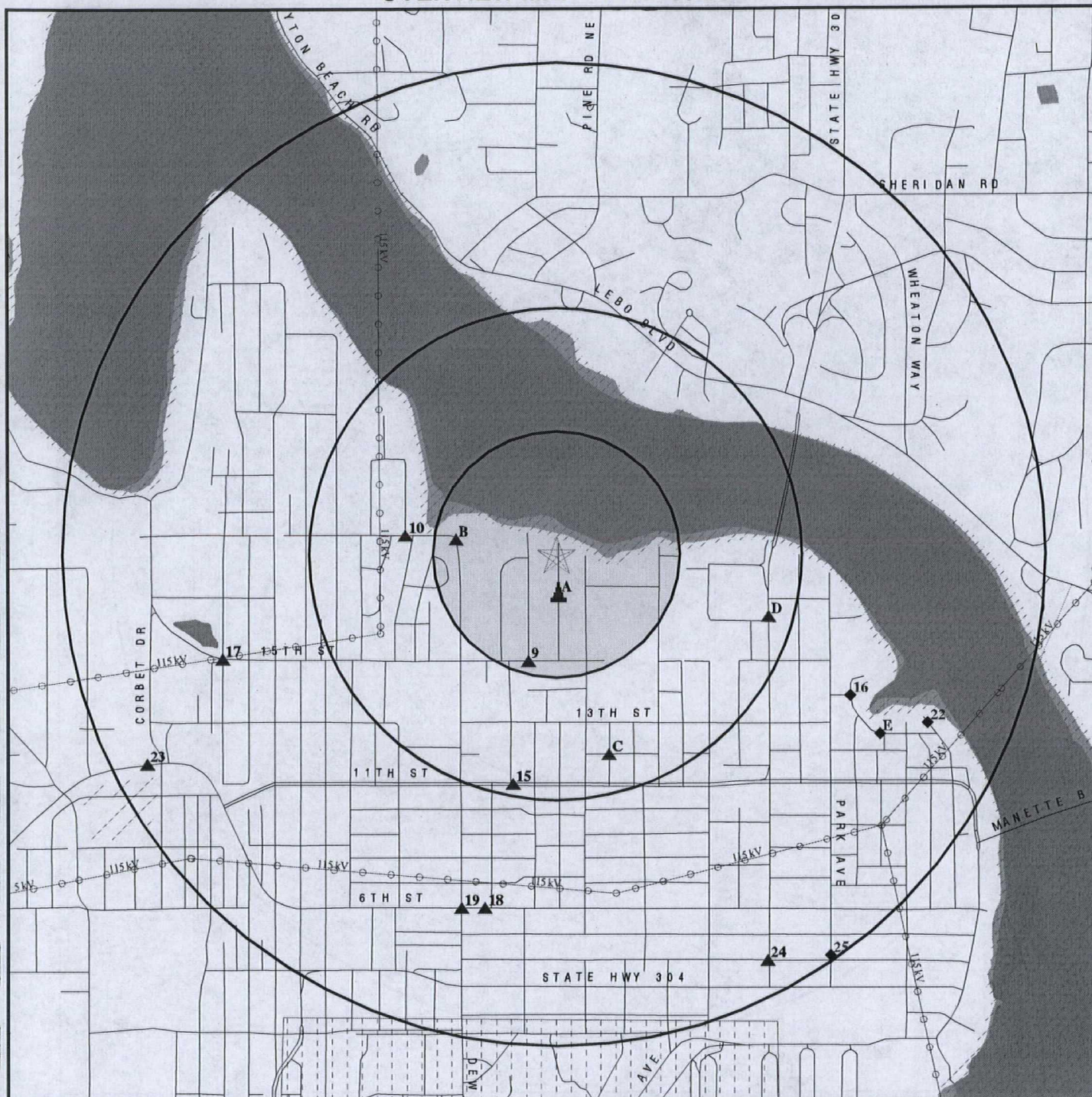
Site Name

BREMERTON PARK AVE HOUSING REDEVEL
FORMER PORT ORCHARD SAND & GRAVEL
PIONEER LANDFILL
SADTLER PROPERTY
POPE LUMBER MILL FORMER
GORST CREEK-BREMERTON AUTO WRECKIN
BREMERTON WASTEWATER
CITY OF BREMERTON
CITY OF BREMERTON
BAYVIEW SUBARU
1ST STREET DOCK IN BREMERTON
GORST GAS MART
HANDY ANDYS 6364
BREMERTON WATERFRONT NORTH PARCEL
POPE LUMBER MILL FORMER
TIME OIL #01 364
EXXON #7 2483
KITSAP COUNTY ROAD SHOP - CENTRAL
WYMER PROPERTY
BREMERTON WATERFRONT NORTH PARCEL

Database(s)

CSCSL
CSCSL
CSCSL, FINDS, VCP
CSCSL
CSCSL
CERCLIS, FINDS
SPILLS
SPILLS
SPILLS
RCRA-SQG, FINDS
ERNS
FINDS, VCP
FINDS, VCP
FINDS, VCP
FINDS, VCP
ICR
ICR
ICR
ICR
CSCSL NFA

OVERVIEW MAP - 1745466.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

▨ National Priority List Sites

▨ Landfill Sites

▨ Dept. Defense Sites

▨ Indian Reservations BIA

⚡ Power transmission lines

⚡ Oil & Gas pipelines

▨ 100-year flood zone

▨ 500-year flood zone

▨ National Wetland Inventory

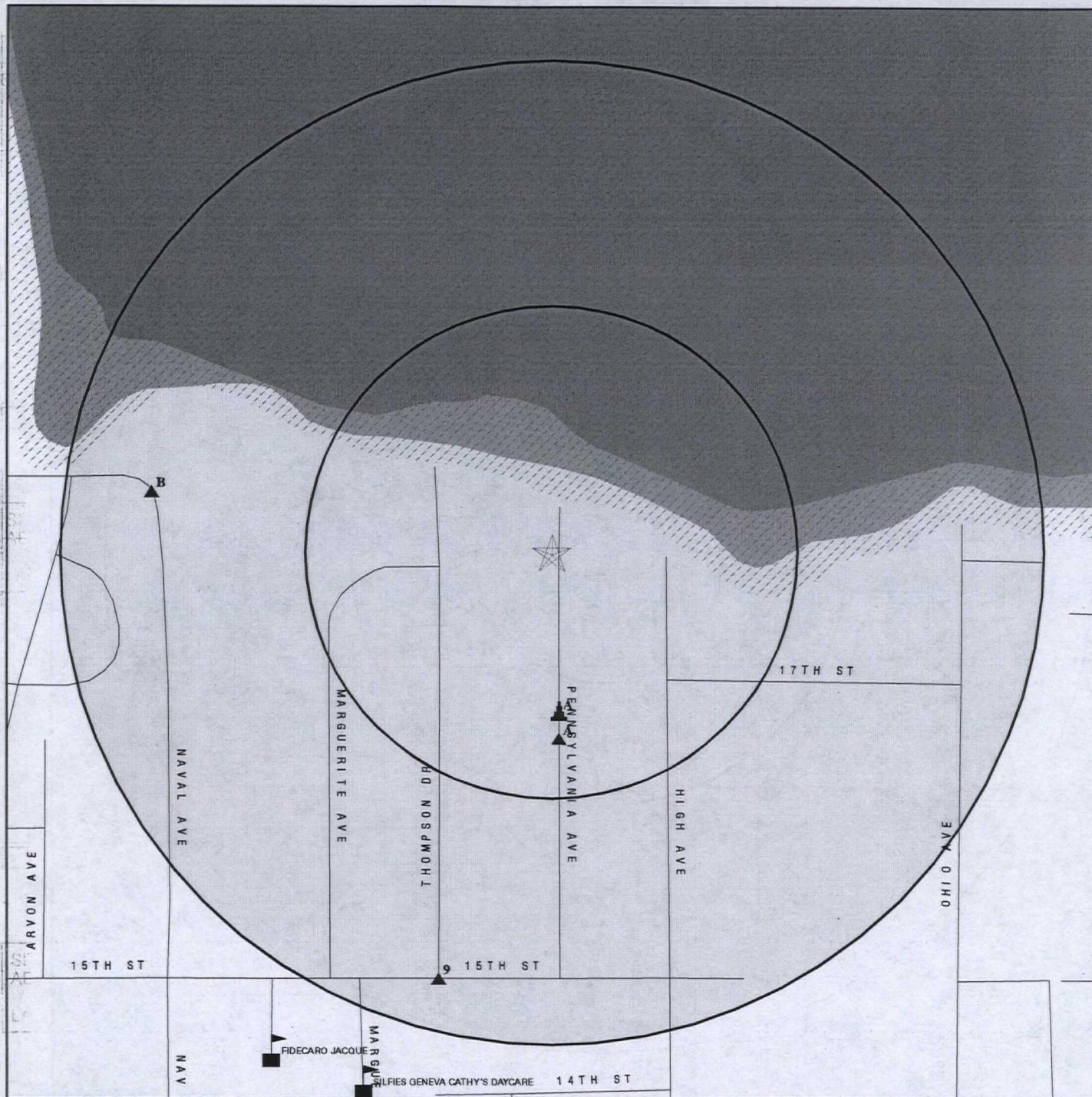
0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bremerton Gas Works
ADDRESS: Pennsylvania Avenue
Bremerton WA 98337
LAT/LONG: 47.5778 / 122.6422

CLIENT: Tech Law
CONTACT: Lesa Nelson
INQUIRY #: 1745466.2s
DATE: August 29, 2006 6:21 pm

DETAIL MAP - 1745466.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Bremerton Gas Works
 ADDRESS: Pennsylvania Avenue
 Bremerton WA 98337
 LAT/LONG: 47.5778 / 122.6422

CLIENT: Tech Law
 CONTACT: Lesa Nelson
 INQUIRY #: 1745466.2s
 DATE: August 29, 2006 6:21 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	2	1	NR	NR	NR	3
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	1	NR	1
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
CSCSL		1.000	2	1	0	10	NR	13
HSL		1.000	0	0	0	0	NR	0
CSCSL NFA		0.500	0	0	0	NR	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	3	NR	NR	3
UST		0.250	1	0	NR	NR	NR	1
AST		0.250	0	0	NR	NR	NR	0
MANIFEST		0.250	1	0	NR	NR	NR	1
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	1	1	0	NR	NR	2
ICR		0.500	1	0	3	NR	NR	4
DRYCLEANERS		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
BROWNFIELDS		0.500	1	0	0	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
WA Emissions	TP		NR	NR	NR	NR	NR	0
Inactive Drycleaners		0.250	0	0	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	1	0	0	0	NR	1
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DOD
Region
South
1/2-1
4995 ft.

PUGET SOUND NAVAL SHIPYARD

PUGET SOUND NAVAL SHIPYAR (County), WA

Database(s)
EDR ID Number
EPA ID Number

DOD
CUSA001062
N/A

FEDERAL LANDS:

Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
Agency: DOD
URL: Not reported
Name 1: Puget Sound Naval Shipyard
Name 2: Not reported
Name 3: Not reported
State: WA

A1
South
< 1/8
431 ft.

OLD BREMERTON GASWORKS & SESKO PROPERTY
1725 PENNSYLVANIA AV
BREMERTON, WA 98310

CSCSL
1005615229
N/A

Relative:
Higher

Site 1 of 6 in cluster A

Actual:
57 ft.

SHWS:

Facility ID: 2641
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57705 / -122.64211
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Confirmed above MTCA cleanup levels
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 37" / 122° 38' 31"
Media Id : 3994
Media Type Description : Confirmed
Media Status Description : Soil

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

OLD BREMERTON GASWORKS & SESKO PROPERTY (Continued)

1005615229

Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2641
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57705 / -122.64211

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Suspected to be present

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Suspected to be present

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 37" / 122° 38' 31"

Media Id : 3995

Media Type Description : Suspected

Media Status Description : Groundwater

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

Facility ID: 2641
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57705 / -122.64211

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

OLD BREMERTON GASWORKS & SESKO PROPERTY (Continued)

1005615229

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Suspected to be present

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Suspected to be present

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 37" / 122° 38' 31"

Media Id : 3996

Media Type Description : Suspected

Media Status Description : Surface Water

Tributyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

Facility ID: 2641

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47.57705 / -122.64211

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site	Database(s)	EDR ID Number EPA ID Number
------	-------------	--------------------------------

OLD BREMERTON GASWORKS & SESKO PROPERTY (Continued)

1005615229

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 37" / 122° 38' 31"
Media Id :	3997
Media Type Description :	Confirmed
Media Status Description :	Sediment
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

A2
South
< 1/8
431 ft.

OLD BREMERTON GASWORKS & SESKO PROPERTY
1725 PENNSYLVANIA AV
BREMERTON, WA 98310

RCRA-SQG 1004794290
FINDS WAD988501961
BROWNFIELDS

Site 2 of 6 in cluster A

Relative:
Higher

RCRAInfo:

Owner: LEE FABRICATORS INC
(360)698-1190

Actual:
57 ft.

EPA ID: WAD988501961

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

WA BROWNFIELDS:

Facility ID: 2641
Site Stat Code: 2

Facility ID: 2641
Site Stat Code: 2

Facility ID: 2641
Site Stat Code: 2

Facility ID: 2641
Site Stat Code: 2

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
South
< 1/8
431 ft.

OLD BREMERTON GAS WORKS
1725 PENNSYLVANIA AVE
BREMERTON, WA 98337

Manufactured Gas Plants
1008408697
N/A

Relative:
Higher

Site 3 of 6 in cluster A

Manufactured Gas Plants:

Alternate Name: WESTERN GAS CO.

Actual:
57 ft.

A4
South
< 1/8
500 ft.

PACIFIC NORTHWEST ENERGY CO BREMERTON
1702 PENNSYLVANIA AVE
BREMERTON, WA 98337

UST
VCP
U004040799
N/A

Relative:
Higher

Site 4 of 6 in cluster A

UST:

Actual:
59 ft.

Facility ID: 2788449
Site ID: 618968
Install Date: Not reported
Capacity: 5,000 to 9,999 Gallons
Status: Removed
Tank Name: 1
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 618381
Comartment ID: 592679
Decimal Latitude: 47.576279999999997
Decimal Longitude: -122.64193
Ecology Region: North Western

Facility ID: 2788449
Site ID: 618968
Install Date: Not reported
Capacity: 5,000 to 9,999 Gallons
Status: Removed
Tank Name: 2
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 618382
Comartment ID: 592680
Decimal Latitude: 47.576279999999997
Decimal Longitude: -122.64193
Ecology Region: North Western

Facility ID: 2788449
Site ID: 618968
Install Date: Not reported
Capacity: 5,000 to 9,999 Gallons
Status: Removed
Tank Name: 3
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 618383
Comartment ID: 592681
Decimal Latitude: 47.576279999999997
Decimal Longitude: -122.64193
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PACIFIC NORTHWEST ENERGY CO BREMERTON (Continued)

U004040799

Facility ID: 2788449
Site ID: 618968
Install Date: Not reported
Capacity: 2,001 to 4,999 Gallons
Status: Removed
Tank Name: 4
Substance: Used Oil/Waste Oil
Compartment #: 1
Tank ID: 618384
Comartment ID: 592682
Decimal Latitude: 47.576279999999997
Decimal Longitude: -122.64193
Ecology Region: North Western

VCP:

Facility ID : 2788449
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 2788449
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 2788449
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

A5
South
< 1/8
500 ft.

PACIFIC NORTH ENERGY
1702 PENNSYLVANIA AVENUE
BREMERTON, WA 98337

RCRA-SQG 1000920694
CSCSL WA0000712919
FINDS
SPILLS
WA MANIFEST

Site 5 of 6 in cluster A

Relative:
Higher

RCRAInfo:

Owner: TOSCO REFINING CO
EPA ID: WA0000712919
Contact: Not reported

Actual:
59 ft.

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 070
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 06/26/1996
Actual Date Achieved Compliance: 07/24/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/26/1996
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation
Area of Violation

Date of
Compliance

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC NORTH ENERGY (Continued)

1000920694

Compliance Evaluation Inspection

GENERATOR-GENERAL REQUIREMENTS

19960724

SHWS:

Facility ID: 2788449

MTBE Code: Not reported

Prog plan code: 4

UXO Code: Not reported

Lat/Long: 47.576279999999997 / -122.64193

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media: Sediments

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long: 47° 34' 34.609999999999999° / 122° 38' 30.949999999999999°

Media Id: 5848

Media Type Description: Suspected

Media Status Description: Sediment

Tibutyl Tin Contaminant Group: Not reported

Bioassay/benthic Failures Contam group: Not reported

Wood Debris Contaminant Group: Not reported

Other Deleterious Substance Group: Not reported

Facility ID: 2788449

MTBE Code: Not reported

Prog plan code: 4

UXO Code: Not reported

Lat/Long: 47.576279999999997 / -122.64193

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC NORTH ENERGY (Continued)

1000920694

been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 34.609999999999999° / 122° 38' 30.949999999999999°
Media Id : 5710
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2788449
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.576279999999997 / -122.64193

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PACIFIC NORTH ENERGY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000920694

Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 34.609999999999999° / 122° 38' 30.949999999999999°
Media Id :	5410
Media Type Description :	Suspected
Media Status Description :	Groundwater
Tributyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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WA SPILL:

Facility ID:	546289
Material Desc :	PETROLEUM - DIESEL FUEL
Medium:	UNKNOWN
Material Qty:	5
Material Units:	GALLON
Date Received:	2005-02-12 00:00:00
Contact Name:	BAIN
Company Name:	PACIFIC NW ENERGY CORPORATION

WA MANIFEST:

Facility Site ID Number:	2788449
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.):"	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter deferral:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PACIFIC NORTH ENERGY (Continued)

1000920694

Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA0000712919
Facility Address 2: Not reported
TAX REG NBR: 601794042
NAICS CD: 454311
BUSINESS TYPE: Not reported
MAIL NAME: Pacific Northwest Energy Co Bremerton
MAIL ADDR LINE1: 1702 Pennsylvania Ave
MAIL CITY,ST,ZIP: BREMERTON, WA 98337
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Tosco Refining Co
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: Avon Refinery
LEGAL CITY,ST,ZIP: MARTINEZ, CA 94553-1487
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (253)475-7600
LEGAL EFFECTIVE DATE: 03/31/97
LAND ORG NAME: Tosco Refining Co
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: Avon Refinery
LAND CITY,ST,ZIP: MARTINEZ, CA 94553-1487
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)373-9666
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: Avon Refinery
OPERATOR CITY,ST,ZIP: MARTINEZ, CA 94553-1487
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (510)228-1220 2975
OPERATOR EFFECTIVE DATE: 07/22/97
SITE CONTACT NAME: Brian Kaes
SITE CONTACT ADDR LINE1: 1702 Pennsylvania Ave
SITE CONTACT ZIP: BREMERTON, WA 98337-1147
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)479-2772
SITE CONTACT EMAIL: kaesb@scfuels.com
FORM CONTACT NAME: Colleen Hendrickson
FORM CONTACT ADDR LINE1: 3037 Center St
FORM CONTACT CITY,ST,ZIP: TACOMA, WA 98409
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 253-396-6898
FORM CONTACT EMAIL: hendricksonc@scoil.com
GEN STATUS CD: XQG
MONTHLY GENERATION: False
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHERS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PACIFIC NORTH ENERGY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000920694

UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

A6 TOSCO BULK PLANT/PACIFIC COAST ENERGY
South 1702 PENNSYLVANIA AVE.
< 1/8 BREMERTON, WA 98310
500 ft.

ICR S104223482
N/A

Site 6 of 6 in cluster A

Relative:
Higher

Actual:
59 ft.

WA ICR:

Date Ecology Received Report: 01/06/2000
Contaminants Found at Site: Petroleum products
Non-halogenated solvents
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-22
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: / /
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-10
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/27/1999
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-19
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/02/2001
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-38
County Code: 18.00000
Contact: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

TOSCO BULK PLANT/PACIFIC COAST ENERGY (Continued)

S104223482

Report Title: Results of Quarterly Ground Water Sampling - February 2001

Date Ecology Received Report: 11/07/2000
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-39
County Code: 18.00000
Contact: Not reported
Report Title: Results of Quarterly Ground Water Sampling - August/September 2000

Date Ecology Received Report: 07/09/2001
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-40
County Code: 18.00000
Contact: Not reported
Report Title: Results of Quarterly Ground Water Sampling - May 2001

Date Ecology Received Report: 02/11/2002
Contaminants Found at Site: Metals
Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-46
County Code: 18.00000
Contact: Not reported
Report Title: Results of Quarterly Ground Water Sampling

Date Ecology Received Report: 03/19/2002
Contaminants Found at Site: Petroleum products
43
Media Contaminated: Groundwater, Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-46
County Code: 18.00000
Contact: Not reported
Report Title: Results of Quarterly Ground Water Sampling - February 2002

B7
West
1/8-1/4
1084 ft.

PEDERSON OIL SITE
2100 19TH ST
BREMERTON, WA 98312

Relative:
Higher

Actual:
52 ft.

Site 1 of 2 in cluster B

FINDS 1007078974
VCP 110015556726

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PEDERSON OIL SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

1007078974

FINDS:

Other Pertinent Environmental Activity Identified at Site:

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

VCP:

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 3122819
WARM BIN # : 4
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B8 PEDERSON OIL SITE
West 2100 19TH ST
1/8-1/4 BREMERTON, WA 98312
1084 ft.

CSCSL S103083984
N/A

Site 2 of 2 in cluster B

Relative:
Higher

SHWS:

Actual:
52 ft.

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business
operations or manufacturing processes, certain contaminants are suspected to be
present at the site
Affected Media : Surface Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 42" / 122° 38' 48"
Media Id : 5813
Media Type Description : Suspected
Media Status Description : Surface Water
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

PEDERSON OIL SITE (Continued)

S103083984

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Suspected to be present

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Confirmed above MTCA cleanup levels

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 42" / 122° 38' 48"

Media Id : 5678

Media Type Description : Confirmed

Media Status Description : Groundwater

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

Facility ID: 3122819

MTBE Code: Not reported

Prog plan code : 4

UXO Code : Not reported

Lat/Long : 47.57838999999999 / -122.64681

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Below MTCA cleanup levels

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Confirmed above MTCA cleanup levels

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PEDERSON OIL SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103083984

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 42" / 122° 38' 48"
Media Id :	10191
Media Type Description :	Confirmed
Media Status Description :	Soil
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 42" / 122° 38' 48"
Media Id :	10193
Media Type Description :	Confirmed
Media Status Description :	Surface Water
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PEDERSON OIL SITE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103083984

Other Deleterious Substance Group : Not reported

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Below MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Below MTCA cleanup levels

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Lat/Long : 47° 34' 42" / 122° 38' 48"

Media Id :

10192

Media Type Description :

Confirmed

Media Status Description :

Groundwater

Tibutyl Tin Contaminant Group :

Not reported

Bioassay/benthic Failures Contam group :

Not reported

Wood Debris Contaminant Group :

Not reported

Other Deleterious Substance Group :

Not reported

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PEDERSON OIL SITE (Continued)

SI03083984

petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Suspected to be present
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 42" / 122° 38' 48"
Media Id : 5593
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 3122819
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.57838999999999 / -122.64681
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Sediments
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Suspected to be present
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present
Reactive Wastes: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PEDERSON OIL SITE (Continued)

S103083984

Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 42" / 122° 38' 48"
Media Id :	5564
Media Type Description :	Suspected
Media Status Description :	Sediment
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

9
SSW
1/8-1/4
1180 ft.
AMERICAN MARINE INDUSTRIES
1500 THOMPSON DR
BREMERTON, WA 98337

RCRA-SQG 1000920687
FINDS WA0000712398

Relative:
Higher

RCRAInfo:
Owner: PAUL MCCONKEY
(360) 377-4457

Actual:
75 ft.

EPA ID: WA0000712398
Contact: PAUL MCCONKEY
(360) 377-4457

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

10
West
1/4-1/2
1625 ft.
PUMP STATION CW-1
2304 19TH AVE
BREMERTON, WA 98312

LUST U001128557
UST N/A

Relative:
Higher

LUST:
Facility ID: 101854
Facility Status: Awaiting Cleanup
Release ID: 441168
Release Notification Date: 3/19/1998 00:00:00
Release Status Date: 3/19/1998 00:00:00
Alternate Name: Not reported
Lat/Lon: 47.57837 / -122.64764
Affected Media: Soil

Actual:
48 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PUMP STATION CW-1 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001128557

FS ID: 45283394
Site Response Code Unit: NW

UST:

Facility ID: 45283394
Site ID: 101854
Install Date: 1/15/1984 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Closed in Place
Tank Name: CW-1-DIESEL
Substance: Diesel
Compartment #: 1
Tank ID: 38137
Compartment ID: 38671
Decimal Latitude: 47.57837
Decimal Longitude: -122.64764
Ecology Region: North Western

C11 COCA COLA PLANT (FORMER)
SSE 1600 12TH ST.
1/4-1/2 BREMERTON, WA 98310
2215 ft.

ICR S103504934
N/A

Site 1 of 2 in cluster C

Relative:
Higher

WA ICR:

Actual:
98 ft.

Date Ecology Received Report: 12/07/1998
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-11
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 08/18/1998
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-13
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/25/2002
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 98-47
County Code: 18.00000
Contact: Not reported
Report Title: Independent Cleanup Report

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site
Database(s)
EDR ID Number
EPA ID Number

C12
SSE
1/4-1/2
2215 ft.

COCA COLA
1600 12TH STREET
BREMERTON, WA 98310

LUST
UST

U000711787
N/A

Relative:
Higher

Site 2 of 2 in cluster C

LUST:

Facility ID: 5029
Facility Status: Awaiting Cleanup
Release ID: 482318
Release Notification Date: 3/7/1998 00:00:00
Release Status Date: 12/17/1998 00:00:00
Alternate Name: COCA COLA PLANT FORMER
Lat/Lon: 47.571910000000003 / -122.64041
Affected Media: Soil
FS ID: 11979687
Site Response Code Unit: NW

Facility ID: 5029
Facility Status: Reported Cleaned Up
Release ID: 482318
Release Notification Date: 3/7/1998 00:00:00
Release Status Date: 3/26/2002 00:00:00
Alternate Name: COCA COLA PLANT FORMER
Lat/Lon: 47.571910000000003 / -122.64041
Affected Media: Soil
FS ID: 11979687
Site Response Code Unit: NW

UST:

Facility ID: 11979687
Site ID: 5029
Install Date: 12/31/1964 00:00:00
Capacity: 111 TO 1,100 Gallons
Status: Removed
Tank Name: 1
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 8473
Comartment ID: 8620
Decimal Latitude: 47.571910000000003
Decimal Longitude: -122.64041
Ecology Region: North Western

Facility ID: 11979687
Site ID: 5029
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Closure in Process
Tank Name: 2
Substance: Not reported
Compartment #: 1
Tank ID: 8577
Comartment ID: 8724
Decimal Latitude: 47.571910000000003
Decimal Longitude: -122.64041
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D13 **BREMERTON PUBLIC WORKS**
ESE 1548 WARREN AVENUE
1/4-1/2 BREMERTON, WA 98310
2377 ft.

LUST U003132490
UST N/A

Site 1 of 2 in cluster D

Relative:
Higher

LUST:

Actual:
64 ft.

Facility ID: 100433
Facility Status: Cleanup Started
Release ID: 4125
Release Notification Date: 12/29/1992 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: BREMERTON CITY ELECTRONICS SHOP
Lat/Lon: 47.575760000000002 / -122.632810000000001
Affected Media: Ground Water
FS ID: 3811231
Site Response Code Unit: NW

Facility ID: 100433
Facility Status: Cleanup Started
Release ID: 4125
Release Notification Date: 12/29/1992 00:00:00
Release Status Date: 6/1/1995 00:00:00
Alternate Name: BREMERTON CITY ELECTRONICS SHOP
Lat/Lon: 47.575760000000002 / -122.632810000000001
Affected Media: Soil
FS ID: 3811231
Site Response Code Unit: NW

UST:

Facility ID: 3811231
Site ID: 100433
Install Date: 12/31/1964 00:00:00
Capacity: 10,000 to 19,999 Gallons
Status: Removed
Tank Name: 7
Substance: Unleaded Gasoline
Compartment #: 1
Tank ID: 2378
Comartment ID: 2423
Decimal Latitude: 47.575760000000002
Decimal Longitude: -122.632810000000001
Ecology Region: North Western

Facility ID: 3811231
Site ID: 100433
Install Date: 12/31/1964 00:00:00
Capacity: Not reported
Status: Removed
Tank Name: 8
Substance: Leaded Gasoline
Compartment #: 1
Tank ID: 2487
Comartment ID: 2533
Decimal Latitude: 47.575760000000002
Decimal Longitude: -122.632810000000001
Ecology Region: North Western

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D14
ESE
1/4-1/2
2377 ft.

BREMERTON CITY ELECTRONICS SHOP
1548 WARREN AVE.
BREMERTON, WA 98310

ICR S103505702
N/A

Site 2 of 2 In cluster D

Relative:
Higher

WA ICR:

Actual:
64 ft.

Date Ecology Received Report: 03/22/1993
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-50
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/22/1993
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-18
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

15
South
1/4-1/2
2507 ft.

PUGET POWER - HEWITT SUBSTATION
11TH ST. / HEWITT AVE.
BREMERTON, WA 98310

ICR S105454597
N/A

Relative:
Higher

WA ICR:

Actual:
118 ft.

Date Ecology Received Report: 11/13/1996
Contaminants Found at Site: PCB's
Media Contaminated: Petroleum products
Cause of Contamination: Soil
Region: Unknown
Type of Report Ecology Received: North Western
Site Register Issue: Final cleanup report
County Code: 94-40
Contact: 18.00000
Report Title: Not reported

Date Ecology Received Report: 11/13/1995
Contaminants Found at Site: PCB's
Media Contaminated: Soil
Cause of Contamination: Not reported
Region: North Western
Type of Report Ecology Received: Final cleanup report
Site Register Issue: 94-45
County Code: 18.00000
Contact: Not reported
Report Title: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

16
ESE
1/2-1
3507 ft.
EVERGREEN PARK BREMERTON
14TH ST / SHELDON BLVD
BREMERTON, WA 98310

CSCSL S105430794
N/A

Relative:
Lower

SHWS:

Actual:
15 ft.

Facility ID: 2645
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57390999999998 / -122.62999000000001
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business
operations or manufacturing processes, certain contaminants are suspected to be
present at the site
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 26" / 122° 37' 47"
Media Id : 4001
Media Type Description : Suspected
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2645
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57390999999998 / -122.62999000000001
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EVERGREEN PARK BREMERTON (Continued)

EDR ID Number
EPA ID Number

Database(s)

S105430794

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Suspected to be present

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Suspected to be present

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 26" / 122° 37' 47"

Media Id : 4002

Media Type Description : Suspected

Media Status Description : Surface Water

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

Facility ID: 2645

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47.573909999999998 / -122.62999000000001

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Confirmed above MTCA cleanup levels

Dioxin: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EVERGREEN PARK BREMERTON (Continued)

S105430794

Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Suspected to be present
Conventional Contaminants, Inorganic: Suspected to be present
Lat/Long : 47° 34' 26" / 122° 37' 47"
Media Id : 4003
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2645
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.573909999999998 / -122.62999000000001

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Sediments

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 26" / 122° 37' 47"

Media Id : 4004
Media Type Description : Suspected
Media Status Description : Sediment
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : S
Other Deleterious Substance Group : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

17
WSW
1/2-1
3732 ft.

BREMERTON SCHOOL DIST HADDON
LAFAYETTE AVE / W 15TH ST
BREMERTON, WA 98312

Database(s) EDR ID Number
EPA ID Number

CSCSL S103083979
N/A

Relative:
Higher

Actual:
97 ft.

SHWS:

Facility ID: 2652
MTBE Code: Not reported
Prog plan code: Not reported
UXO Code: Not reported
Lat/Long: 47.575049999999997 / -122.65706
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)
Affected Media: Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long: 47° 34' 30" / 122° 39' 25"
Media Id: 4017
Media Type Description: Confirmed
Media Status Description: Soil
Tibutyl Tin Contaminant Group: Not reported
Bioassay/benthic Failures Contam group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported

Facility ID: 2652
MTBE Code: Not reported
Prog plan code: Not reported
UXO Code: Not reported
Lat/Long: 47.575049999999997 / -122.65706
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BREMERTON SCHOOL DIST HADDON (Continued)

S103083979

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Suspected to be present

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 30" / 122° 39' 25"

Media Id : 9908

Media Type Description : Suspected

Media Status Description : Groundwater

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

18 NEWMANS CHEVRON
SSW 2021 6TH ST
1/2-1 BREMERTON, WA 98310
3868 ft.

CSCSL 1007079617
FINDS 110015563308
VCP

Relative:
Higher

SHWS:

Facility ID: 1436359

MTBE Code: Not reported

Actual:
116 ft.

Prog plan code : 4

UXO Code : Not reported

Lat/Long : 47.567259999999997 / -122.6461

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS.

NEWMANS CHEVRON (Continued)

EDR ID Number
EPA ID Number

Database(s)

1007079617

Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 2" / 122° 38' 45"
Media Id :	7945
Media Type Description :	Confirmed
Media Status Description :	Soil
Tributyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site:

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

VCP:

Facility ID :	1436359
WARM BIN # :	Not reported
Ecology Status :	Independent Remedial Action
NFA Code :	Not reported
Program Plan Code :	4

19
SSW
1/2-1
3926 ft.

ALBERTSONS INC
6TH ST / NAVAL AVE
BREMERTON, WA 98312

CSCSL S105430792
N/A

Relative:
Higher

Actual:
109 ft.

SHWS:

Facility ID:	94828632
MTBE Code:	Not reported
Prog plan code :	4
UXO Code :	Not reported
Lat/Long :	47.567053999999999 / -122.66119399999999
Responsible Unit:	Northwest Region
Ecology Site Status relative to the MTCA cleanup process:	Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:	Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):	
Affected Media Status:	C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)
Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number
EPA ID Number

ALBERTSONS INC (Continued)

S105430792

EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 1.4000000000000001" / 122° 39' 40.3000000000000004"
Media Id : 8551
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

E20
ESE
1/2-1
3980 ft.

BREM AIR DISPOSAL INCORPORATED
512 SHELDON BOULEVARD
BREMERTON, WA 98310

CERCLIS 1000302393
RCRA-SQG WAD042804971
CSCSL
FINDS
BROWNFIELDS
ICR

Relative:
Lower

Site 1 of 2 in cluster E

Actual:
17 ft.

CERCLIS:
Site ID: 1000714
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

CERCLIS Site Contact Name(s):

Contact Name: Monica Lindeman
Contact Tel: Not reported
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):

Alias Name: OLYMPIC SANITARY LANDFILL
Alias Address: 512 SHELDON BLVD
BREMERTON, WA 98310
Alias Name: OLYMPIC VIEW SANITARY LANDFILL
Alias Address: 512 SHELDON BLVD
BREMERTON, WA 98310
Alias Name: BREM AIR DISPOSAL
Alias Address: Not reported
WA
Site Description: Removed from archive list due to citizen's petition (1998).

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/01/1980

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BREM AIR DISPOSAL INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000302393

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 08/30/1984
Date Completed: 08/31/1984
Priority Level: High

Action: SITE INSPECTION
Date Started: 09/01/1984
Date Completed: 01/11/1985
Priority Level: High

Action: SITE INSPECTION
Date Started: 08/25/1988
Date Completed: 08/25/1988
Priority Level: NFRAP (No Further Remedial Action Planned)

Action: SITE INSPECTION
Date Started: 05/19/1998
Date Completed: 05/19/1998
Priority Level: High

RCRAInfo:

Owner: USA WASTE SERVICES INC
(713)512-6208
EPA ID: WAD042804971
Contact: STEVE WALKER
(360)674-3166

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

SHWS:

Facility ID: 3812
MTBE Code: Not reported
Prog plan code : 1
UXO Code : Not reported
Lat/Long : 47.57249999999998 / -122.62772
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action and all activities completed (no monitoring)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BREM AIR DISPOSAL INCORPORATED (Continued)

1000302393

Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 20" / 122° 37' 39"
Media Id :	5039
Media Type Description :	Confirmed
Media Status Description :	Soil
Tributyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 3812
MTBE Code: Not reported
Prog plan code : 1
UXO Code : Not reported
Lat/Long : 47.572499999999998 / -122.62772

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action and all activities completed (no monitoring)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments
Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Lat/Long : 47° 34' 20" / 122° 37' 39"

Media Id : 5040
Media Type Description : Confirmed
Media Status Description : Sediment

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BREM AIR DISPOSAL INCORPORATED (Continued)

1000302393

Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 3812
MTBE Code: Not reported
Prog plan code : 1
UXO Code : Not reported
Lat/Long : 47.572499999999998 / -122.62772

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action and all activities completed (no monitoring)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Lat/Long : 47° 34' 20" / 122° 37' 39"

Media Id :

5036

Media Type Description :

Confirmed

Media Status Description :

Groundwater

Tibutyl Tin Contaminant Group :

Not reported

Bioassay/benthic Failures Contam group :

Not reported

Wood Debris Contaminant Group :

Not reported

Other Deleterious Substance Group :

Not reported

Facility ID: 3812

MTBE Code: Not reported

Prog plan code : 1

UXO Code : Not reported

Lat/Long : 47.572499999999998 / -122.62772

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action and all activities completed (no monitoring)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BREM AIR DISPOSAL INCORPORATED (Continued)

1000302393

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Suspected to be present

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Lat/Long : 47° 34' 20" / 122° 37' 39"

Media Id : 5037

Media Type Description : Suspected

Media Status Description : Surface Water

Tibutyl Tin Contaminant Group : Not reported

Bioassay/benthic Failures Contam group : Not reported

Wood Debris Contaminant Group : Not reported

Other Deleterious Substance Group : Not reported

Facility ID: 3812

MTBE Code: Not reported

Prog plan code : 1

UXO Code : Not reported

Lat/Long : 47.572499999999998 / -122.62772

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action and all activities completed (no monitoring)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Air

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Suspected to be present

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BREM AIR DISPOSAL INCORPORATED (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000302393

Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 20" / 122° 37' 39"
Media Id :	5038
Media Type Description :	Suspected
Media Status Description :	Air
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

WA BROWNFIELDS:

Facility ID: 3812
Site Stat Code: 8

Facility ID: 3812
Site Stat Code: 8

Facility ID: 3812
Site Stat Code: 8

Facility ID: 3812
Site Stat Code: 8

Facility ID: 3812
Site Stat Code: 8

WA ICR:

Date Ecology Received Report:	12/06/1994
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Cause of Contamination:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-42
County Code:	18.00000
Contact:	Not reported
Report Title:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BREM AIR DISPOSAL INCORPORATED (Continued)

Database(s)
EDR ID Number
EPA ID Number

1000302393

Date Ecology Received Report: 08/22/2000
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Cause of Contamination: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-30
County Code: 18.00000
Contact: Not reported
Report Title: UST Decommissioning

E21 LOFTHUS BULK PLANT
ESE 510 SHELDON BLVD
1/2-1 BREMERTON, WA 98310
3990 ft.

CSCSL S100475791
N/A

Site 2 of 2 in cluster E

Relative:
Lower

SHWS:

Actual:
17 ft.

Facility ID: 2623
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.572499999999998 / -122.62779999999999

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action Completed, Confirmation Monitoring Underway

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Not reported

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Lat/Long : 47° 34' 20" / 122° 37' 40"

Media Id :

3933

Media Type Description :

Confirmed

Media Status Description :

Surface Water

Tributyl Tin Contaminant Group :

Not reported

Bioassay/benthic Failures Contam group :

Not reported

Wood Debris Contaminant Group :

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

LOFTHUS BULK PLANT (Continued)

S100475791

Other Deleterious Substance Group : Not reported

Facility ID: 2623
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57249999999998 / -122.62779999999999

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action Completed, Confirmational Monitoring Underway

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Suspected to be present

Metals - Other non-priority pollutant medals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Not reported

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Lat/Long : 47° 34' 20" / 122° 37' 40"

Media Id :

3934

Media Type Description :

Confirmed

Media Status Description :

Soil

Tibutyl Tin Contaminant Group :

Not reported

Bioassay/benthic Failures Contam group :

Not reported

Wood Debris Contaminant Group :

Not reported

Other Deleterious Substance Group :

Not reported

Facility ID: 2623

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47.57249999999998 / -122.62779999999999

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action Completed, Confirmational Monitoring Underway

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LOFTHUS BULK PLANT (Continued)

S100475791

present at the site
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 20" / 122° 37' 40"
Media Id : 3935
Media Type Description : Suspected
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2623
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.572499999999998 / -122.62779999999999

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action Completed, Confirmational Monitoring Underway

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Air
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOFTHUS BULK PLANT (Continued)

EDR ID Number
EPA ID Number

Database(s)

S100475791

Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Suspected to be present
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 20" / 122° 37' 40"
Media Id :	3936
Media Type Description :	Suspected
Media Status Description :	Air
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 2623
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.572499999999998 / -122.62779999999999
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Remedial Action Completed, Confirmation Monitoring Underway
Independent Site Status - those sites undergoing an independent cleanup:
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Sediments
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 20" / 122° 37' 40"
Media Id :	3937
Media Type Description :	Suspected
Media Status Description :	Sediment
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

22 CHEVRON TANK FARM PORT WA NAR
ESE 1310 HIGHLAND AVE
1/2-1 BREMERTON, WA 98310
4391 ft.

RCRA-SQG 1000434596
CSCSL WAD000832642
FINDS

Relative:
Lower

RCRAInfo:
Owner: WA ECY
EPA ID: WAD000832642

Actual:
16 ft.

Contact: ELAINE ATKINSON
(425) 649-7042

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

SHWS:

Facility ID: 2618
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57282 / -122.62591

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Suspected to be present

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Lat/Long : 47° 34' 22" / 122° 37' 33"

Media Id :

3913

Media Type Description :

Confirmed

Media Status Description :

Groundwater

Tibutyl Tin Contaminant Group :

Not reported

Bioassay/benthic Failures Contam group :

Not reported

Wood Debris Contaminant Group :

Not reported

Other Deleterious Substance Group :

Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CHEVRON TANK FARM PORT WA NAR (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000434596

Facility ID: 2618
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57282 / -122.62591
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)
Affected Media : Surface Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 22" / 122° 37' 33"
Media Id : 3914
Media Type Description : Confirmed
Media Status Description : Surface Water
Tributyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2618
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57282 / -122.62591
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CHEVRON TANK FARM PORT WA NAR (Continued)

EDR ID Number
EPA ID Number
Database(s)

1000434596

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 22" / 122° 37' 33"
Media Id : 3915
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 2618
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.57282 / -122.62591

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

CHEVRON TANK FARM PORT WA NAR (Continued)

1000434596

Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 22" / 122° 37' 33"
Media Id :	3916
Media Type Description :	Confirmed
Media Status Description :	Sediment
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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23
WSW
1/2-1
4911 ft.

LAMBERTS RADIATOR SHOP
3338 KITSAP WY
BREMERTON, WA 98312

CSCSL S101189430
N/A

Relative:
Higher

Actual:
106 ft.

SHWS:

Facility ID:	2638	
MTBE Code:	Not reported	
Prog plan code :	Not reported	
UXO Code :	Not reported	
Lat/Long :	47.571640000000002 / -122.66091	
Responsible Unit:	Northwest Region	
Ecology Site Status relative to the MTCA cleanup process:	Ranked, Awaiting Remedial Action (RA)	
Independent Site Status - those sites undergoing an independent cleanup:	Not reported	
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):		
Affected Media Status:	S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site	
Affected Media :	Ground Water	
Arsenic Code:	Not reported	
Base/Neutral/Acid Organics:	Not reported	
Halogenated Organic Compounds:	Suspected to be present	
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present	
Metals - Other non-priority pollutant metals:	Suspected to be present	
Polychlorinated biPhenyls (PCBs):	Not reported	
Pesticides:	Not reported	
Petroleum Products:	Suspected to be present	
Phenolic Compounds:	Suspected to be present	
Non-Halogenated Solvents:	Suspected to be present	
Dioxin:	Not reported	
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present	

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAMBERTS RADIATOR SHOP (Continued)

S101189430

Reactive Wastes:	Not reported
Corrosive Wastes:	Suspected to be present
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Suspected to be present
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 17" / 122° 39' 39"
Media Id :	3982
Media Type Description :	Suspected
Media Status Description :	Groundwater
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Facility ID: 2638
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.571640000000002 / -122.66091

Responsible Unit: Northwest Region

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Suspected to be present
EPA Priority Pollutants - Metals and Cyanide:	Suspected to be present
Metals - Other non-priority pollutant metals:	Suspected to be present
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Suspected to be present
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Suspected to be present
Reactive Wastes:	Not reported
Corrosive Wastes:	Suspected to be present
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Suspected to be present
Conventional Contaminants, Inorganic:	Not reported
Lat/Long :	47° 34' 17" / 122° 39' 39"
Media Id :	3983
Media Type Description :	Suspected
Media Status Description :	Surface Water
Tibutyl Tin Contaminant Group :	Not reported
Bioassay/benthic Failures Contam group :	Not reported
Wood Debris Contaminant Group :	Not reported
Other Deleterious Substance Group :	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

LAMBERTS RADIATOR SHOP (Continued)

S101189430

Facility ID: 2638
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.571640000000002 / -122.66091
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals: Suspected to be present
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Confirmed above MTCA cleanup levels
Phenolic Compounds: Confirmed above MTCA cleanup levels
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels
Reactive Wastes: Not reported
Corrosive Wastes: Suspected to be present
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Confirmed above MTCA cleanup levels
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 17" / 122° 39' 39"
Media Id : 3984
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris-Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported
Facility ID: 2638
MTBE Code: Not reported
Prog plan code : Not reported
UXO Code : Not reported
Lat/Long : 47.571640000000002 / -122.66091
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Ranked, Awaiting Remedial Action (RA)
Independent Site Status - those sites undergoing an independent cleanup:
Not reported
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business
operations or manufacturing processes, certain contaminants are suspected to be
present at the site

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LAMBERTS RADIATOR SHOP (Continued)

S101189430

Affected Media : Sediments
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present
Metals - Other non-priority pollutant metals: Suspected to be present
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Suspected to be present
Phenolic Compounds: Suspected to be present
Non-Halogenated Solvents: Suspected to be present
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present
Reactive Wastes: Not reported
Corrosive Wastes: Suspected to be present
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Suspected to be present
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 34' 17" / 122° 39' 39"
Media Id : 3985
Media Type Description : Suspected
Media Status Description : Sediment
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

24
SSE
1/2-1
4915 ft.

CITY HAND LAUNDRY
1002 4TH ST
BREMERTON, WA 98310

RCRA-SQG 1000440072
CSCSL WAD980978274
FINDS
DRYCLEANERS
VCP
WA MANIFEST

Relative:
Higher

Actual:
56 ft.

RCRAInfo:
Owner: LAND TITLE CO OF KITSAP COUNTY
(360)698-9432
EPA ID: WAD980978274
Contact: GENE KENNEDY
(360)698-9432

Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

SHWS:

Facility ID: 9475242
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.565730000000002 / -122.63301
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CITY HAND LAUNDRY (Continued)

1000440072

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 56.62000000000005" / 122° 37' 58.829999999999998"
Media Id : 8421
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 9475242
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.565730000000002 / -122.63301
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY HAND LAUNDRY (Continued)

Database(s)
EDR ID Number
EPA ID Number

1000440072

Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 56.62000000000005" / 122° 37' 58.82999999999998"
Media Id : 10426
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 9475242
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.565730000000002 / -122.63301
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 56.62000000000005" / 122° 37' 58.82999999999998"
Media Id : 10427
Media Type Description : Confirmed
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

CITY HAND LAUNDRY (Continued)

1000440072

Facility ID: 9475242
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.565730000000002 / -122.63301
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Independent Site Assessment of Interim Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business
operations or manufacturing processes, certain contaminants are suspected to be
present at the site
Affected Media : Ground Water
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 56.62000000000005" / 122° 37' 58.829999999999998"
Media Id : 8420
Media Type Description : Suspected
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

WA-DOEFSIS (Washington - Department Of Ecology Facility / Site Identification System) is the Department of Ecology's Facility/Site identification system that provides a means to query and display data maintained by the Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the departments Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Drycleaners:
Facility ID : WAD980978274

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CITY HAND LAUNDRY (Continued)

Database(s)
EDR ID Number
EPA ID Number

1000440072

Facility Addr 2 : Not reported
NAICS Code : 81232
Fs Id : 9475242
Tax Reg Nbr : 278002866
Business Type : currently a parking lot
Mail Name : City Hand Laundry Former
Mail Address : 1270 McGonagle Rd
SELAH, WA 98942
Mail Country : UNITED STATES
Legal Org Name : Land Title Co of Kitsap County
Legal Person Name : Not reported
Legal Address : 1270 McGonagle Rd
SELAH, WA 98942
Legal Country : UNITED STATES
Legal Phone Nbr : (360)698-9432
Legal Effective Date : Not reported
Legal Organization Type : Private
Land Org Name : Neighborhood Christian Center
Land Person Name : Ron Whitney
Land Address : PO Box 427
Bremerton, WA 98337
Land Country : UNITED STATES
Land Phone Nbr : (360) 377-7292
Land Organization Type : Private
Operator Org Name : Neighborhood Christian Center
Operator Person Name : Ron Whitney
Operator Address : PO Box 427
Bremerton, WA 98337
Operator Country : UNITED STATES
Operator Phone Nbr : (360) 377-7292
Operator Effective Date : 1/10/2001
Operator Organization Type : Private
Site Contact Country : UNITED STATES
Site Contact Name : Stuart Milbrad
Operator Address : 1270 McGonagle Rd
SELAH, WA 98942
Site Contact Phone Nbr : (509)697-7179
Site Contact Email : Not reported
Form Contact Name : Jeff Kaspar
Form Contact Address : Farallon Consulting, LLC
320 3rd Avenue NE
Issaquah, WA 98027
Form Contact Country : UNITED STATES
Form Contact Phone Nbr : (425) 427-0061
Form Contact Email : jkaspar@farallonconsulting.com
Gen Status Cd : SQG
Monthly Generation : No
Batch Generation : No
One Time Generation : Yes
Transports Own Waste : No
Transports Others Waste : No
Recycler Onsite : No
Transfer Facility : No
Pbr : No
Tbg : No
Mixed Radioactive : No
Importer : No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CITY HAND LAUNDRY (Continued)

1000440072

Tsdr Facility : No
Immediate Recycler : No
Gen Dang Fuel : No
Gen Market To Burner : No
Gen Other Marketers : No
Utility Boiler Burner : No
Industry Boiler Burner : No
Furnace Burner : No
Smelter Deferral : No
Small Qty Exemption : No
Other Exemption : Not reported
Uw Battery Gen : No
Uw Thermostats Gen : No
Uw Mercury Gen : No
Uw Lamps Gen : No
Uw Battery Accum : No
Uw Thermostats Accum : No
Uw Mercury Accum : No
Uw Lamps Accum : No
Uw Destination Facility : No
Off Spec Utility Boiler : No
Off Spec Industry Boiler : No
Off Spec Furnace : No
Used Oil Transporter : No
Used Oil Transfer Facility : No
Used Oil Processor : No
Used Oil Rerefiner : No
Used Oil Fuel marketer directs shipments : No
Used Oil Fuel marketer meets specs : No

Comments: Nonrecurrent wastewater generated by ongoing remedial investigation.
Purged groundwater from resource protection wells. Less than on full
55-gallon drum generated for 2004 (25 gallons estimated at 209 pounds).
Federal Desc: F002 nonrecurrent waste. Approximately 25 gallons (209 pounds) of purged
groundwater removed to Chemical Waste Management of the Northwest, Inc.
Federal EPA ID # ORD089452353 on February 19, 2004.
State Desc: F002

VCP:

Facility ID : 9475242
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 9475242
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 9475242
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 9475242
WARM BIN # : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CITY HAND LAUNDRY (Continued)

1000440072

Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

WA MANIFEST:

Facility Site ID Number: 9475242
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD980978274
Facility Address 2: Not reported
TAX REG NBR: 278002866
NAICS CD: 81232
BUSINESS TYPE: currently a parking lot
MAIL NAME: City Hand Laundry Former
MAIL ADDR LINE1: 1270 McGonagle Rd
MAIL CITY,ST,ZIP: SELAH, WA 98942
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Land Title Co of Kitsap County
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 1270 McGonagle Rd
LEGAL CITY,ST,ZIP: SELAH, WA 98942
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)698-9432
LEGAL EFFECTIVE DATE: / /
LAND ORG NAME: Neighborhood Christian Center
LAND ORG TYPE: Private
LAND PERSON NAME: Ron Whitney
LAND ADDR LINE1: PO Box 427
LAND CITY,ST,ZIP: Bremerton, WA 98337
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360) 377-7292
OPERATOR ORG NAME: Neighborhood Christian Center
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: PO Box 427
OPERATOR CITY,ST,ZIP: Bremerton, WA 98337

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CITY HAND LAUNDRY (Continued)

1000440072

OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360) 377-7292
OPERATOR EFFECTIVE DATE: 01/10/01
SITE CONTACT NAME: Stuart Milbrad
SITE CONTACT ADDR LINE1: 1270 McGonagle Rd
SITE CONTACT ZIP: SELAH, WA 98942
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (509)697-7179
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Jeff Kaspar
FORM CONTACT ADDR LINE1: Farallon Consulting, LLC
FORM CONTACT ADDR LINE2: 320 3rd Avenue NE
FORM CONTACT CITY,ST,ZIP: Issaquah, WA 98027
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (425) 427-0061
FORM CONTACT EMAIL: jkaspar@farallonconsulting.com
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: False
ONE TIME GENERATION: True
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHERS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

25
SE
1/2-1
5218 ft.
PARK AVENUE CLEANERS
421 PARK AVE
BREMERTON, WA 98337

CSCSL S104918077
VCP N/A

Relative:
Lower

Actual:
24 ft.

SHWS:
Facility ID: 28884893
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.566460999999997 / -122.630227
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:
Independent Remedial Action
Independent Site Status - those sites undergoing an independent cleanup:
Final Independent Remedial Action Report received
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has
been confirmed by laboratory analysis (or field determination in the case of
petroleum contamination)
Affected Media : Soil
Arsenic Code: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PARK AVENUE CLEANERS (Continued)

S104918077

Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 59.25999999999998" / 122° 37' 48.82"
Media Id : 7505
Media Type Description : Confirmed
Media Status Description : Soil
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

Facility ID: 28884893
MTBE Code: Not reported
Prog plan code : 4
UXO Code : Not reported
Lat/Long : 47.566460999999997 / -122.630227
Responsible Unit: Northwest Region
Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Final Independent Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Suspected to be present
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Non-Halogenated Solvents: Not reported
Dioxin: Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Lat/Long : 47° 33' 59.25999999999998" / 122° 37' 48.82"

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PARK AVENUE CLEANERS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104918077

Media Id : 7504
Media Type Description : Suspected
Media Status Description : Groundwater
Tibutyl Tin Contaminant Group : Not reported
Bioassay/benthic Failures Contam group : Not reported
Wood Debris Contaminant Group : Not reported
Other Deleterious Substance Group : Not reported

VCP:

Facility ID : 28884893
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

Facility ID : 28884893
WARM BIN # : Not reported
Ecology Status : Independent Remedial Action
NFA Code : Not reported
Program Plan Code : 4

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREMERTON	S107747469	BREMERTON PARK AVE HOUSING REDEVEL	7TH 8T / WARREN AVE	98337	CSCSL
BREMERTON	1007071096	GORST GAS MART	4121 HWY 16 W	98312	FINDS, VCP
BREMERTON	1007076156	HANDY ANDYS 6364	4814 HWY 303 NE	98310	FINDS, VCP
BREMERTON	S104485430	TIME OIL #01 364	4814 HWY 303 NE	98310	ICR
BREMERTON	8104466503	EXXON #7 2483	4805 HWY 303	98310	ICR
BREMERTON	5103508004	KITSAP COUNTY ROAD SHOP - CENTRAL	1971 8E CEDAR HWY NW	98312	ICR
BREMERTON	S106967195	BREMERTON WATERFRONT NORTH PARCEL	NE CORNER BURWELL 8T / WASHI	98337	CSCSL NFA
BREMERTON	1008926933	BREMERTON WATERFRONT NORTH PARCEL	NE CORNER BURWELL ST & WASHING	98337	FINOS, VCP
BREMERTON	1001490722	BAYVIEW SUBARU	3888 W HWY 16	98312	RCRA-SOG, FINDS
BREMERTON	8103502769	WYMER PROPERTY	SEABECK HWY NW	98312	ICR
BREMERTON	90179908	1ST STREET DOCK IN BREMERTON	18T STREET DOCK IN BREMERTON		ERNS
BREMERTON	8107672533	CITY OF BREMERTON	NORTH WYCOFF AVE.		SPILLS
GORST	8107555940	FORMER PORT ORCHARD SAND & GRAVEL	3140 W HWY 16	98337	CSCSL
GORST	1007062093	PIONEER LANDFILL	SW OF BARTOLETZ RD W & HWY 3	98337	CSCSL, FINDS, VCP
GORST	S107566006	SADTLER PROPERTY	3282 W 8T HWY 16	98337	CSCSL
GORST	1008918876	POPE LUMBER MILL FORMER	STATE HIGHWAY 3	98312	FINDS, VCP
GORST	S106967152	POPE LUMBER MILL FORMER	STATE HIGHWAY 3	98337	CSCSL
PORT ORCHARD	1006371526	GORST CREEK-BREMERTON AUTO WRECKIN	4275 STATE ROUTE 3 8W	98337	CERCLIS, FINDS
BREMERTON	8107154292	BREMERTON WASTEWATER	*		SPILLS
BREMERTON	S107154386	CITY OF BREMERTON	***		SPILLS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143	EPA Region 6 Telephone: 214-655-6659
EPA Region 3 Telephone 215-814-5418	EPA Region 7 Telephone: 913-551-7247
EPA Region 4 Telephone 404-562-8033	EPA Region 8 Telephone: 303-312-6774
EPA Region 5 Telephone 312-886-6686	EPA Region 9 Telephone: 415-947-4246
EPA Region 10 Telephone 206-553-8665	

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 08/03/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS).

The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 08/22/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 07/24/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EP/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 07/21/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

CSCSL: Confirmed & Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/11/2006	Source: Department of Ecology
Date Data Arrived at EDR: 05/16/2006	Telephone: 360-407-7200
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 08/29/2006
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Semi-Annually

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/22/2006	Source: Department of Ecology
Date Data Arrived at EDR: 03/27/2006	Telephone: 360-407-7200
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/06/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CSCSL NFA: Confirmed & Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 05/11/2006	Source: Department of Ecology
Date Data Arrived at EDR: 05/16/2006	Telephone: 360-407-7170
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 08/29/2006
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/2004	Source: Department of Ecology
Date Data Arrived at EDR: 01/06/2005	Telephone: 360-407-6132
Date Made Active in Reports: 02/02/2005	Last EDR Contact: 07/07/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005	Source: Department of Ecology
Date Data Arrived at EDR: 03/16/2006	Telephone: N/A
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 07/07/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/08/2006	Source: Department of Ecology
Date Data Arrived at EDR: 06/14/2006	Telephone: 360-407-7200
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Quarterly

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/08/2006	Source: Department of Ecology
Date Data Arrived at EDR: 06/14/2006	Telephone: 360-407-7170
Date Made Active in Reports: 07/27/2006	Last EDR Contact: 06/14/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/13/2005
Date Data Arrived at EDR: 12/14/2005
Date Made Active in Reports: 01/16/2006
Number of Days to Update: 33

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 08/29/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Varies

MANIFEST: Hazardous Waste Manifest Data Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/31/2006
Number of Days to Update: 37

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/31/2006
Number of Days to Update: 48

Source: Department of Ecology
Telephone: 360-407-7450
Last EDR Contact: 07/31/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Semi-Annually

INST CONTROL: Institutional Control Site List Sites that have institutional controls.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/06/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/29/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

ICR: Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Sites Listing

A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 06/27/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 30

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 08/17/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 20

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 06/08/2006
Date Made Active in Reports: 07/27/2006
Number of Days to Update: 49

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 08/17/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Quarterly

EMI: Washington Emissions Data System

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 03/23/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 08/15/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Annually

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/01/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3372
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST RS: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land:

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

KITSAP COUNTY:

Water Wells in Kitsap County

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Sites of Record at Snohomish Health District

Date of Government Version: 01/26/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 05/31/2006
Number of Days to Update: 30

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BREMERTON GAS WORKS
PENNSYLVANIA AVENUE
BREMERTON, WA 98337

TARGET PROPERTY COORDINATES

Latitude (North):	47.57780 - 47° 34' 40.1"
Longitude (West):	122.6422 - 122° 38' 31.9"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	526908.1
UTM Y (Meters):	5269219.5
Elevation:	42 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	47122-E6 BREMERTON WEST, WA
Most Recent Revision:	1981
East Map:	47122-E5 BREMERTON EAST, WA
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

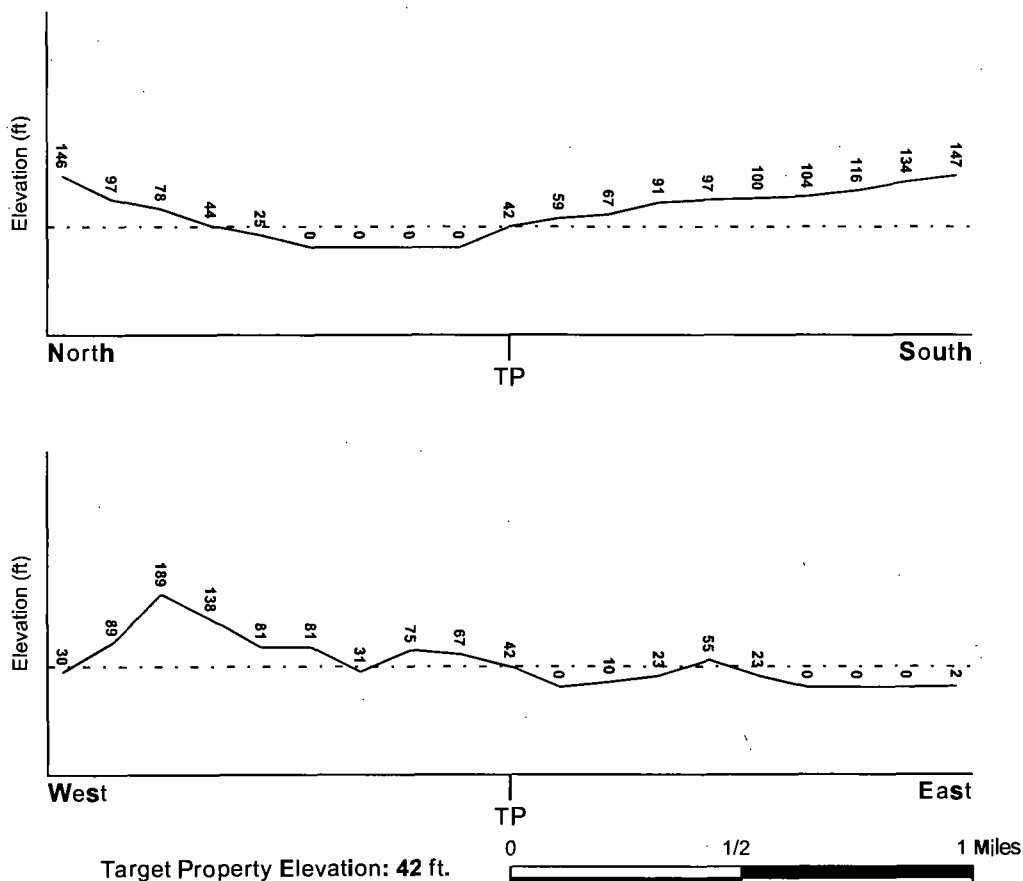
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
KITSAP, WA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 5300930015A

Additional Panels in search area: 5300920305B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
BREMERTON WEST

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID
Not Reported

LOCATION
FROM TP

GENERAL DIRECTION
GROUNDWATER FLOW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

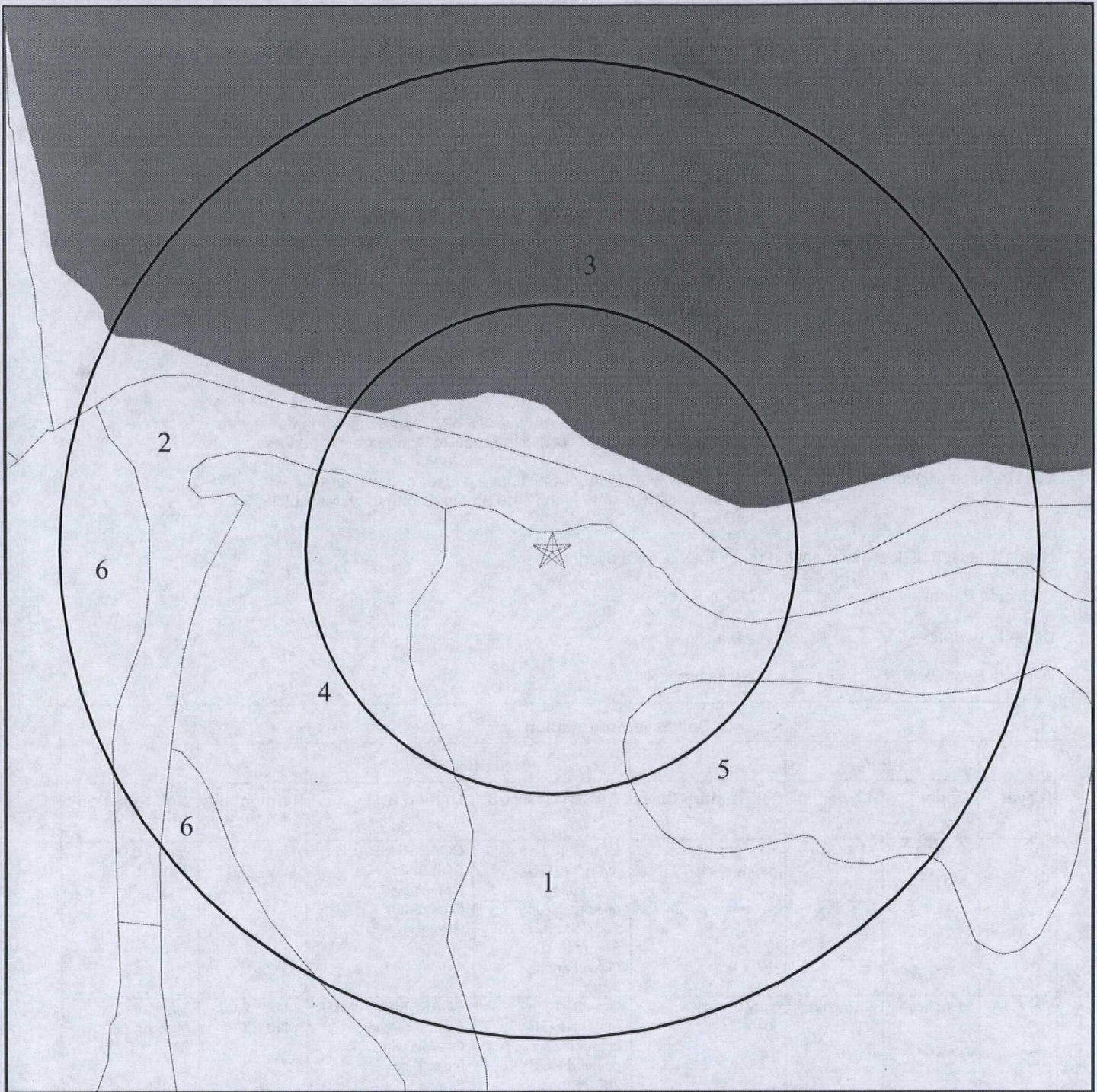
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 1745466.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles

SITE NAME: Bremerton Gas Works
ADDRESS: Pennsylvania Avenue
Bremerton WA 98337
LAT/LONG: 47.5778 / 122.6422

CLIENT: Tech Law
CONTACT: Lesa Nelson
INQUIRY #: 1745466.2s
DATE: August 29, 2006 6:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: ALDERWOOD

Soil Surface Texture: very gravelly - sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	very gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60
2	1 inches	22 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60
3	22 inches	60 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: DYSTRIC XERORTHENTS

Soil Surface Texture: very gravelly - sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	very gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.10
2	10 inches	60 inches	very gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.10

Soil Map ID: 3

Soil Component Name: WATER

Soil Surface Texture: Not reported

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 Inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: ALDERWOOD

Soil Surface Texture: very gravelly - sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	very gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60
2	1 inches	22 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	60 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

Soil Map ID: 5

Soil Component Name: NEILTON

Soil Surface Texture: gravelly - loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	4 inches	gravelly - loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 5.10
2	4 inches	19 inches	very gravelly - loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 20.00 Min: 20.00	Max: 5.50 Min: 5.10

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	19 inches	60 inches	very gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 6.00 Min: 5.60

Soil Map ID: 6

Soil Component Name: ALDERWOOD

Soil Surface Texture: very gravelly - sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	very gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	1 inches	22 inches	very gravelly - loam	Granular materials (35 pet. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 5.60
3	22 inches	60 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS3277323	1/4 - 1/2 Mile SSW
2	USGS3277474	1/2 - 1 Mile North
3	USGS3277423	1/2 - 1 Mile ENE
4	USGS3277508	1/2 - 1 Mile NNW
5	USGS3277447	1/2 - 1 Mile WNW
7	USGS3277388	1/2 - 1 Mile East
8	USGS3277507	1/2 - 1 Mile NE
9	USGS3277565	1/2 - 1 Mile North
10	USGS3277556	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION •

MAP ID	WELL ID	LOCATION FROM TP
<u>6</u>	<u>WA5302786</u>	<u>1/2 - 1 Mile SSE</u>

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>No Wells Found</u>	<u></u>	<u></u>

PHYSICAL SETTING SOURCE MAP - 1745466.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

SITE NAME: Bremerton Gas Works
 ADDRESS: Pennsylvania Avenue
 Bremerton WA 98337
 LAT/LONG: 47.5778 / 122.6422

CLIENT: Tech Law
 CONTACT: Lesa Nelson
 INQUIRY #: 1745466.2s
 DATE: August 29, 2006 6:21 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SSW
1/4 - 1/2 Mile
Higher

FED USGS USGS3277323

Agency cd:	USGS	Site no:	473423122384001
Site name:	24N/01E-14F01		
Latitude:	473423		
Longitude:	1223840	Dec lat:	47.57287293
Dee lon:	-122.64569571	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SE NW S14 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	135	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19320101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	135	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1932-01-01	Ground water data end date:	1932-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1932-01-01 127

2
North
1/2 - 1 Mile
Lower

FED USGS USGS3277474

Agency ed:	USGS	Site no:	473511122383601
Site name:	24N/01E-11F01		
Latitude:	473511		
Longitude:	1223836	Dec lat:	47.58620624
Dec lon:	-122.64458519	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dee latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SE NW S11 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	40	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Puget Sound, Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19130101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	100	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3

ENE

1/2 - 1 Mile

Higher

FED USGS

USGS3277423

Agency ed:	USGS	Site no:	473455122373501
Site name:	24N/01E-12M01		
Latitude:	473455	Dee lat:	47.58176209
Longitude:	1223735	Coor meth:	M
Dec lon:	-122.62763946	Latlong datum:	NAD27
Coor accr:	T	District:	53
Dee latlong datum:	NAD83	County:	035
State:	53	Land net:	NW SW S12 T24N R01E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported	Altitude method:	M
Altitude:	100	Altitude datum:	NGVD29
Altitude accuracy:	20		
Hydrologic:	Puget Sound, Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19210101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	11	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
NNW
1/2 - 1 Mile
Higher

FED USGS USGS3277508

Agency ed:	USGS	Site no:	473517122384701
Site name:	24N/01E-11E01		
Latitude:	473517		
Longitude:	1223847	Dec lat:	47.58787285
Dec lon:	-122.64764102	Coor meth:	M
Coor acer:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NW S11 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	60	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19310101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	292	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
WNW
1/2 - 1 Mile
Higher

FED USGS USGS3277447

Agency cd:	USGS	Site no:	473501122392201
Site name:	24N/01E-10K01		
Latitude:	473501		
Longitude:	1223922	Dec lat:	47.58342826
Dec lon:	-122.65736364	Coor meth:	M
Coor acer:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NW SE S10 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	90	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19390101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 49
 Source of depth data: reporting agency (generally USGS)
 Real time data flag: 0
 Daily flow data end date: 0000-00-00
 Peak flow data begin date: 0000-00-00
 Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1940-04-01
 Ground water data count: 1

Hole depth: Not Reported
 Project number: Not Reported
 Daily flow data begin date: 0000-00-00
 Daily flow data count: 0
 Peak flow data end date: 0000-00-00
 Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1940-04-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-04-01	34	

6
 SSE
 1/2 - 1 Mile
 Lower

FRDS PWS WA5302786

PWS ID: WA5302786 PWS Status: Active
 Date Initiated: Not Reported Date Deactivated: Not Reported
 PWS Name: BELWOOD LP#1
 BREMERTON, WA 98312

Addressee / Facility: Not Reported

Facility Latitude: 47 34 03 Facility Longitude: 122 37 53
 City Served: Not Reported
 Treatment Class: Treated Population: 00000250

PWS currently has or had major violation(s) or enforcement: No

7
 East
 1/2 - 1 Mile
 Higher

FED USGS USGS3277388

Agency ed: USGS Site no: 473444122371801
 Site name: 24N/01E-12P01
 Latitude: 473444
 Longitude: 1223718
 Dec lon: -122.62291681
 Dec lat: 47.57870662
 Coor meth: M
 Coor acer: S
 Latlong datum: NAD27
 Dec latlong datum: NAD83
 District: 53
 State: 53
 County: 035
 Country: US
 Land net: SE SW S12 T24N R01E W
 Location map: Not Reported
 Map scale: Not Reported
 Altitude: 103
 Altitude method: M
 Altitude accuracy: 10
 Altitude datum: NGVD29
 Hydrologic: Puget Sound, Washington. Area = 2550 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring
 Date construction: 19400101
 Date inventoried: Not Reported
 Mean greenwich time offset: PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	45	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
NE
1/2 - 1 Mile
Higher

FED USGS USGS3277507

Agency ed:	USGS	Site no:	473517122374001
Site name:	24N/01E-12E01		
Latitude:	473517		
Longitude:	1223740	Dec lat:	47.58787316
Dec lon:	-122.62902872	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dee latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NW S12 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	246	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puget Sound, Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	51	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1940-04-01	Ground water data end date:	1940-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-04-01	40	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

9
North
1/2 - 1 Mile
Higher
FED USGS USGS3277565

Agency cd:	USGS	Site no:	473532122381701
Site name:	24N/01E-02Q01		
Latitude:	473532		
Longitude:	1223817	Dec lat:	47.59203964
Dee lon:	-122.63930736	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW SE S02 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	200	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Puget Sound, Washington, Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19500101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	9	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1950-08-01	Ground water data end date:	1950-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1950-08-01 1

10
NNW
1/2 - 1 Mile
Higher

FED USGS USGS3277556

Agency cd:	USGS	Site no:	473530122385201
Site name:	24N/01E-11D01		
Latitude:	473530		
Longitude:	1223852	Dee lat:	47.59148393
Dee lon:	-122.64903018	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NW NW S11 T24N R01E W
Location map:	Not Reported	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	130	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19310101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1950-06-01	Ground water data end date:	1950-06-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-06-01	10	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KITSAP County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KITSAP COUNTY, WA

Number of sites tested: 21

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.143 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	0.647 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Amdt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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EDR® Environmental
Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Lesa Nelson
Tech Law
921 11th Street
Sacramento, CA 95814

Order Date: 8/29/2006 **Completion Date:** 8/31/2006

Inquiry #: 1745466.3s

P.O. #: Rich Howard

Site Name: Bremerton Gas Works

Address: Pennsylvania Avenue

City/State: Bremerton, WA 98337

Cross Streets:

Customer Project: Bremerton Gas W
8012798VLA 916-497-0438

Based on client-supplied information, fire insurance maps for the following years were identified

1947 - 1 Map

1968 - 1 Map

Limited Permission to Photocopy

Total Maps: 2

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USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

Reading Sanborn Maps

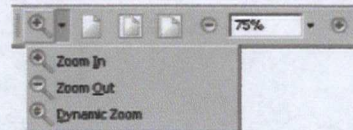
- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - A. On the menu bar, click "View" and then "Zoom to..."
 - B. Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

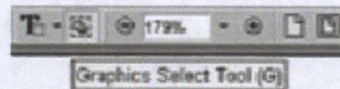
Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.



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- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



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Year
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WASH. 508

JUNE 1928
BREMERTON
WASH.

DEC. 1940

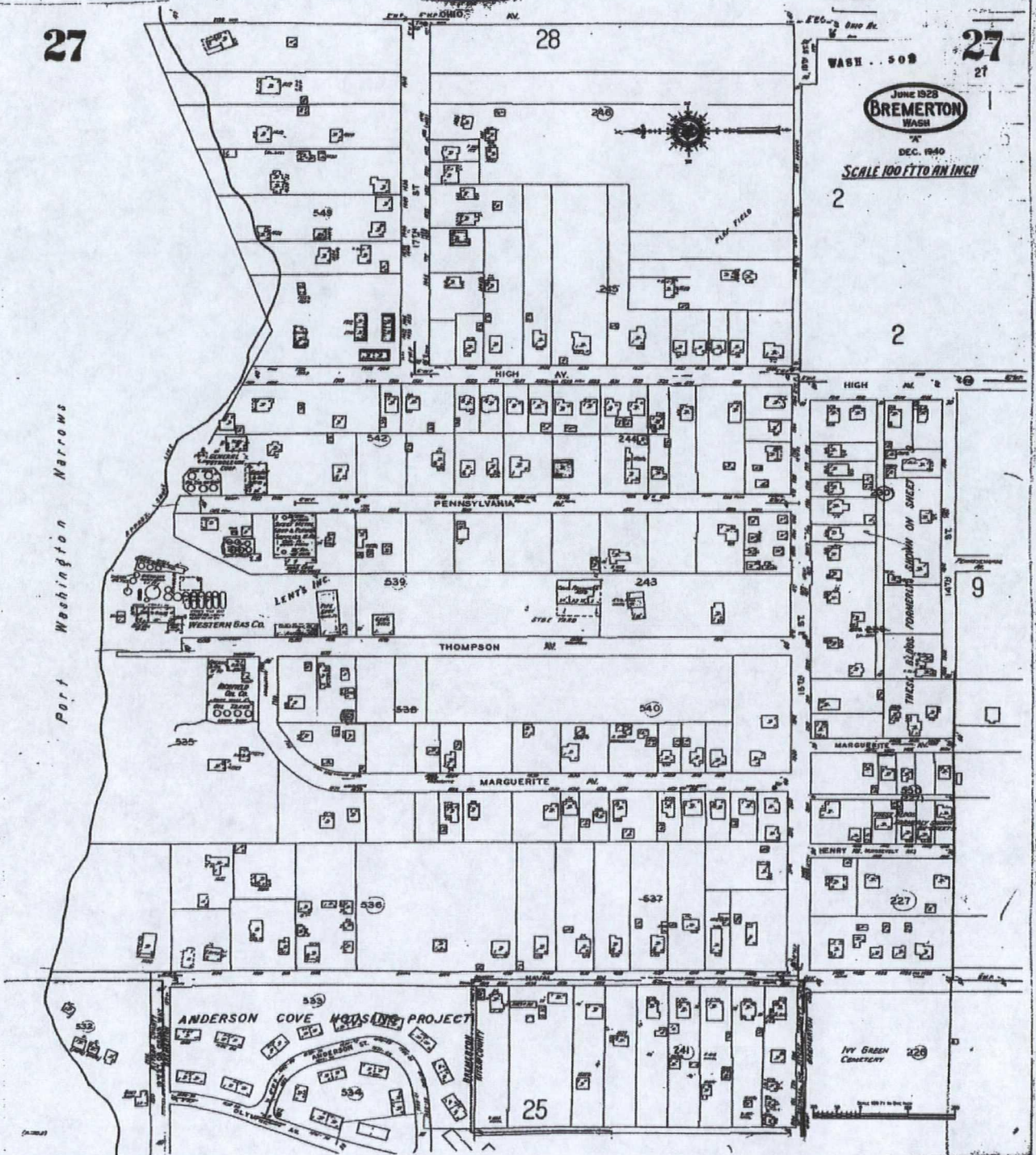
SCALE 100 FT TO AN INCH

2

2

9

Port Washington Narrows





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Year

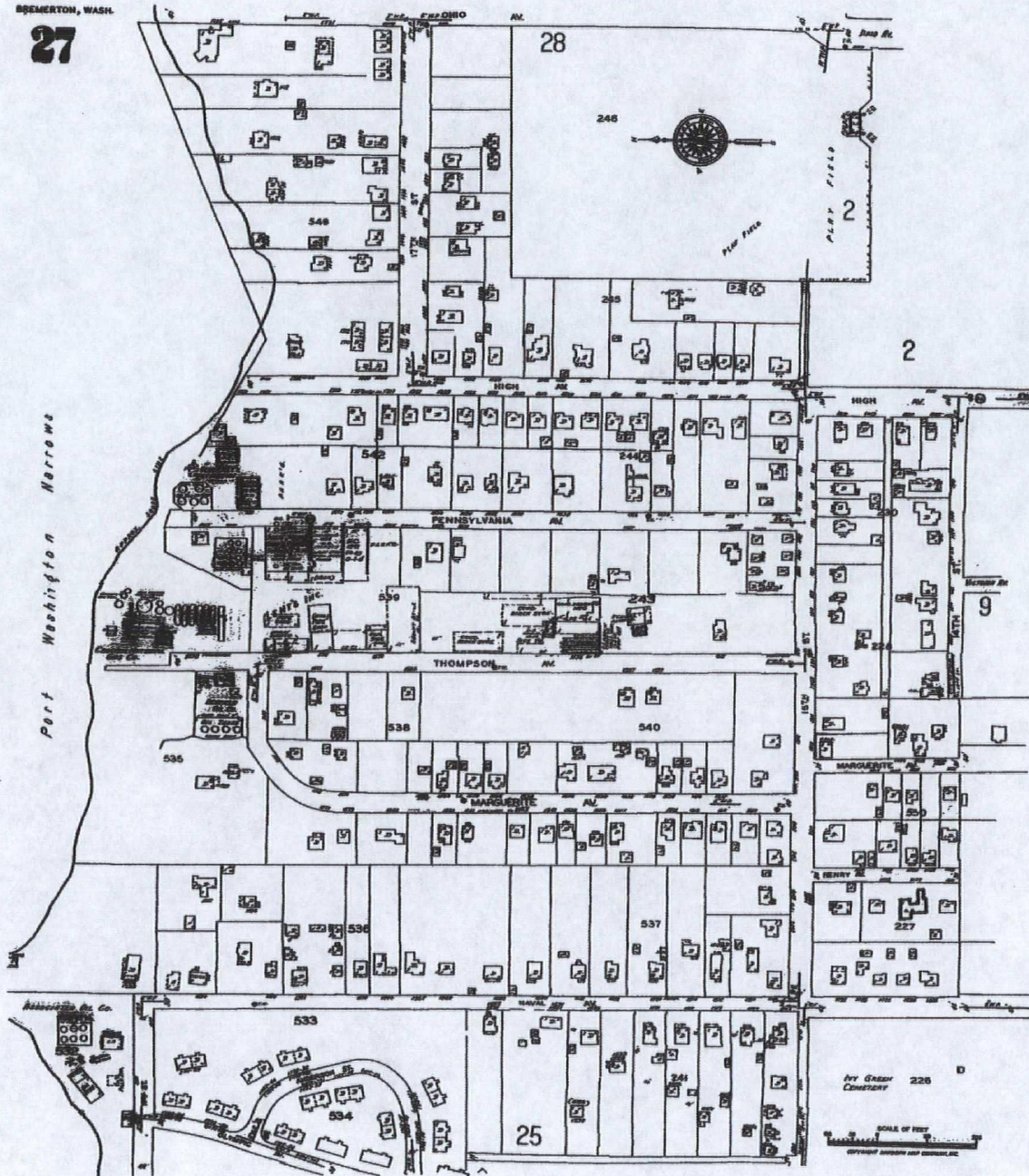
AMB

OCR Research Associate

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BREMERTON, WASH.

27



EDR Historical Topographic Map Report

**Bremerton Gas Works
Pennsylvania Avenue
Bremerton, WA 98337**

Inquiry Number: 1745466.4

August 30, 2006



**EDR® Environmental
Data Resources Inc**

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Rd
Milford, Connecticut 06461**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

EDR Historical Topographic Map Report

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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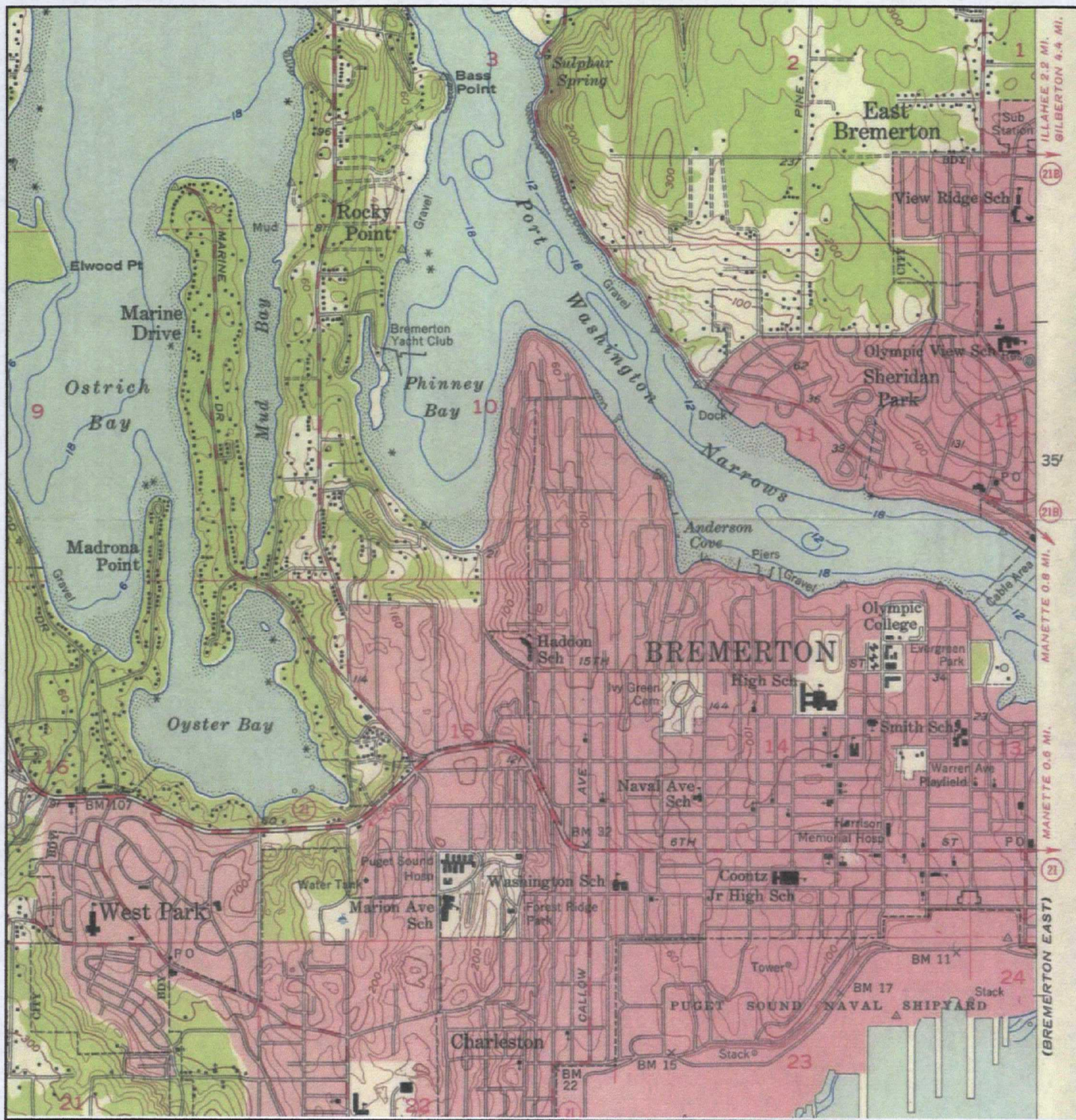
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Historical Topographic Map



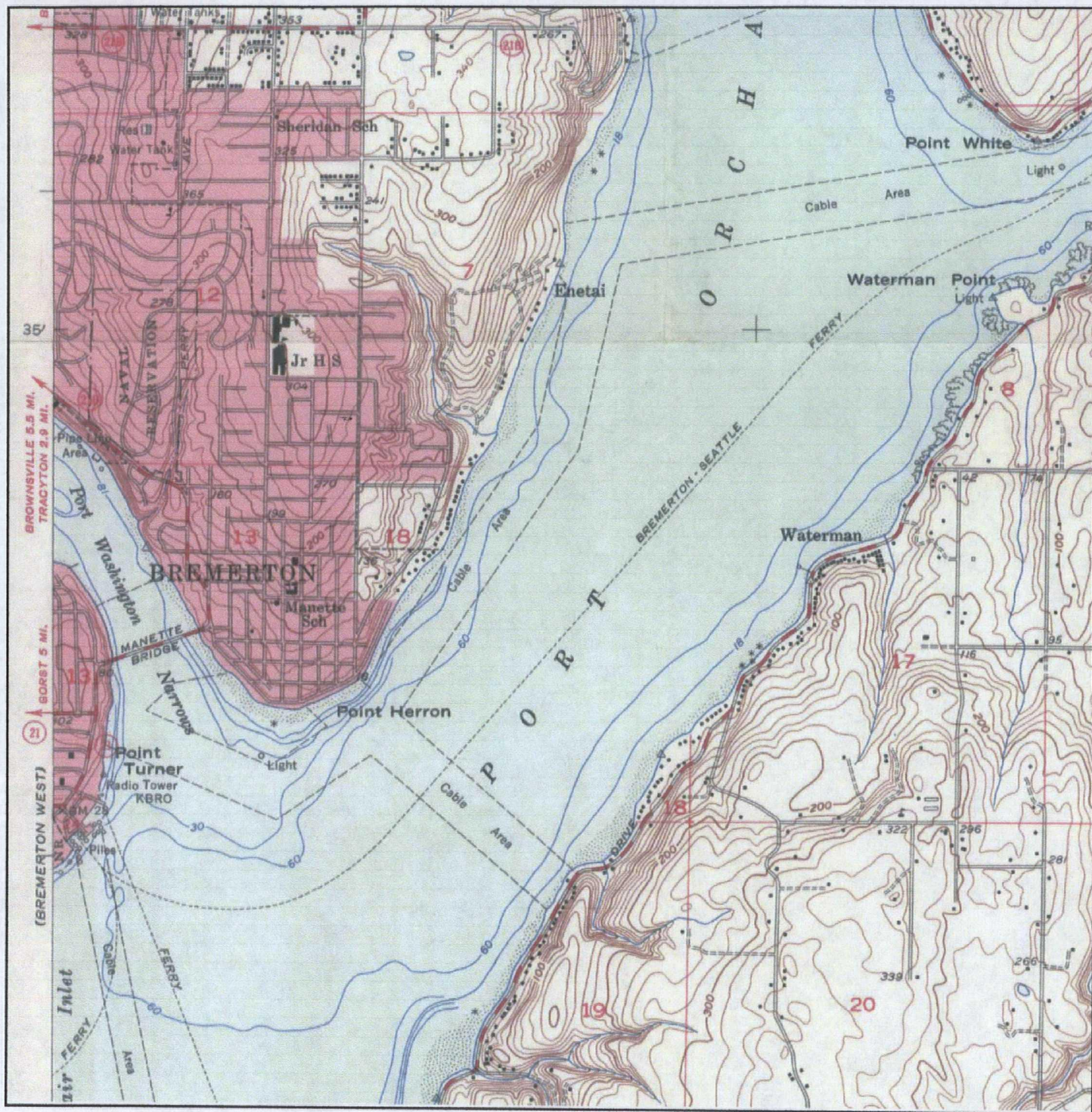
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Historical Topographic Map



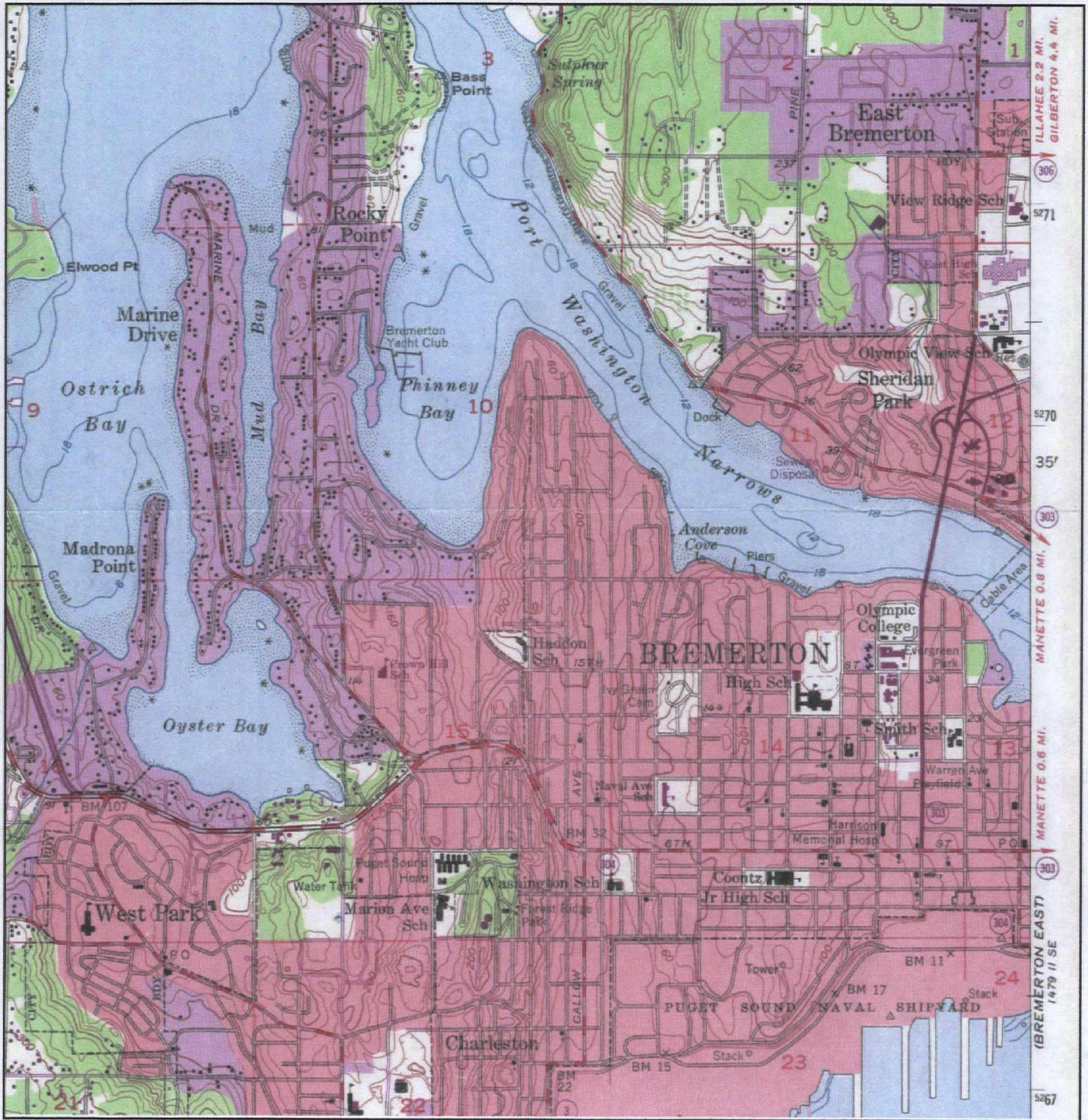
<p>TARGET QUAD NAME: Bremerton West, WA MAP YEAR: 1953</p> <p>SERIES: 7.5 SCALE: 1:24,000</p>	<p>SITE NAME: Bremerton Gas Works ADDRESS: Pennsylvania Avenue Bremerton, WA 98337 LAT/LONG: 47.5778 / 122.6422</p>	<p>CLIENT: Tech Law CONTACT: Lesa Nelson INQUIRY#: 1745466.4 RESEARCH DATE: 08/30/2006</p>
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Historical Topographic Map



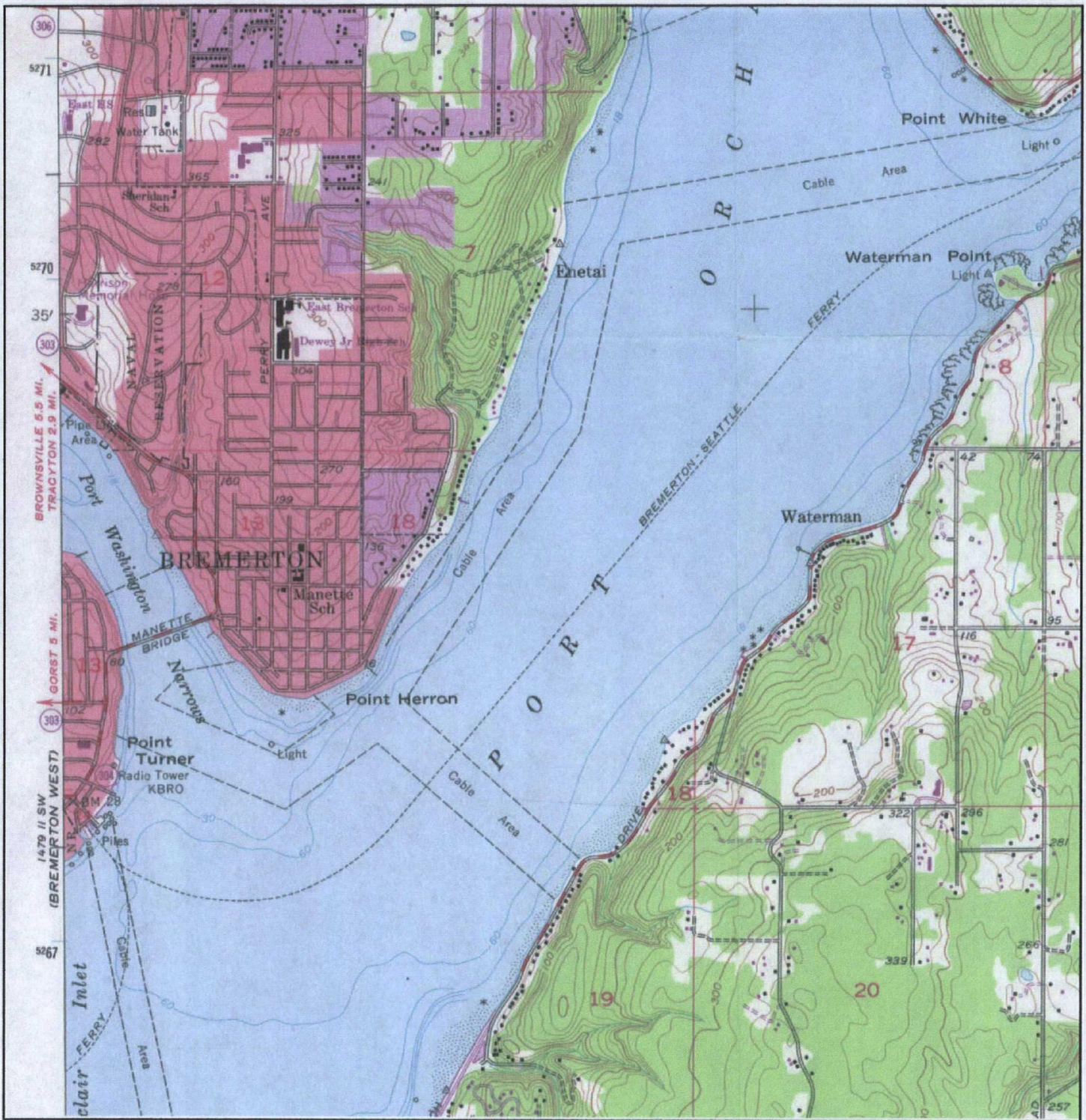
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Historical Topographic Map



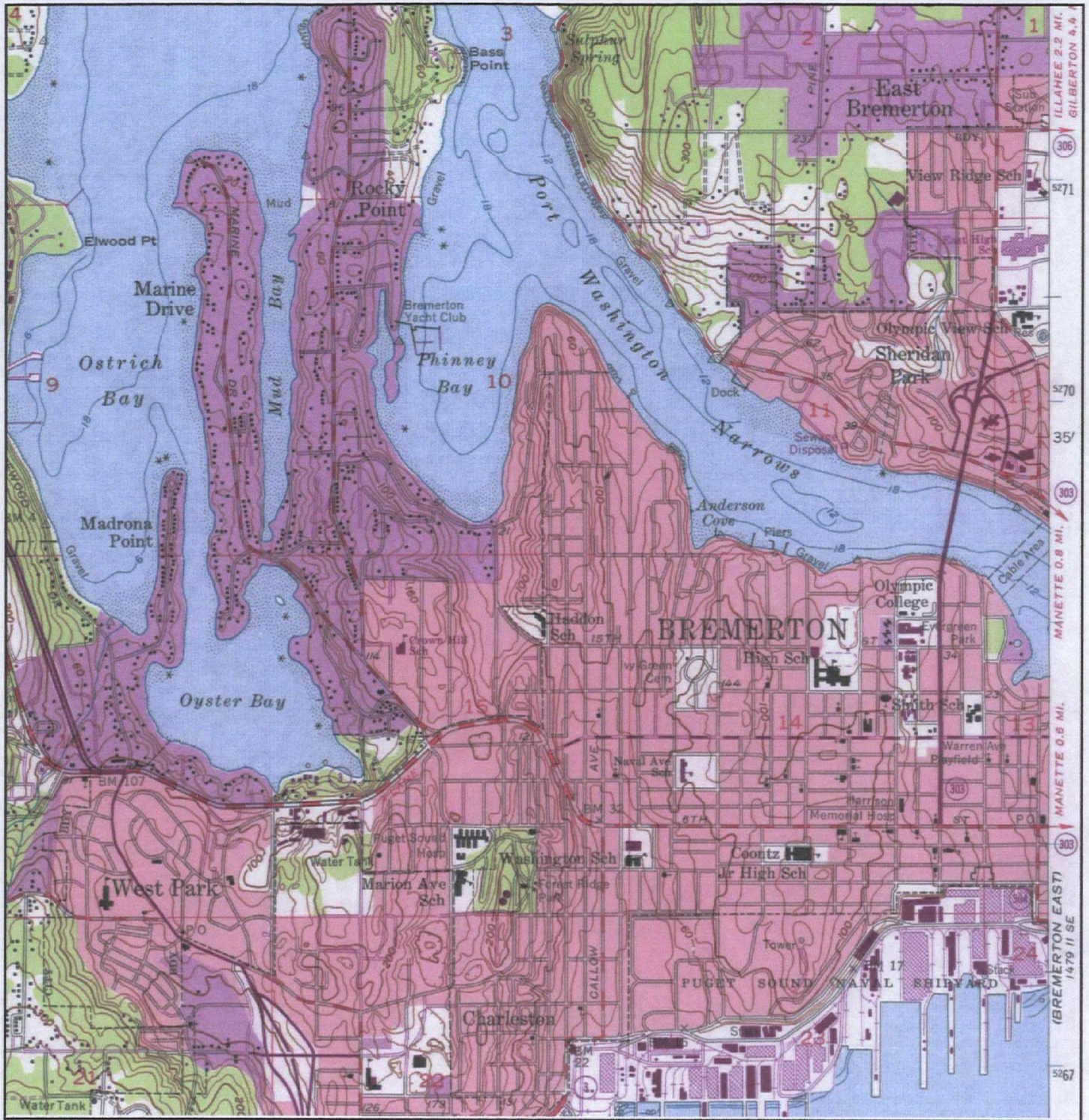
<div data-bbox="115 1724 147 1822" data-label="Image"> </div> <div data-bbox="175 1703 529 1877" data-label="Text"> <p>TARGET QUAD NAME: Bremerton West, WA MAP YEAR: 1968 PHOTO REVISED: 1953 SERIES: 7.5 SCALE: 1:24,000</p> </div>	<div data-bbox="581 1703 959 1818" data-label="Text"> <p>SITE NAME: Bremerton Gas Works ADDRESS: Pennsylvania Avenue Bremerton, WA 98337 LAT/LONG: 47.5778 / 122.6422</p> </div>	<div data-bbox="1008 1703 1333 1818" data-label="Text"> <p>CLIENT: Tech Law CONTACT: Lesa Nelson INQUIRY#: 1745466.4 RESEARCH DATE: 08/30/2006</p> </div>
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Historical Topographic Map



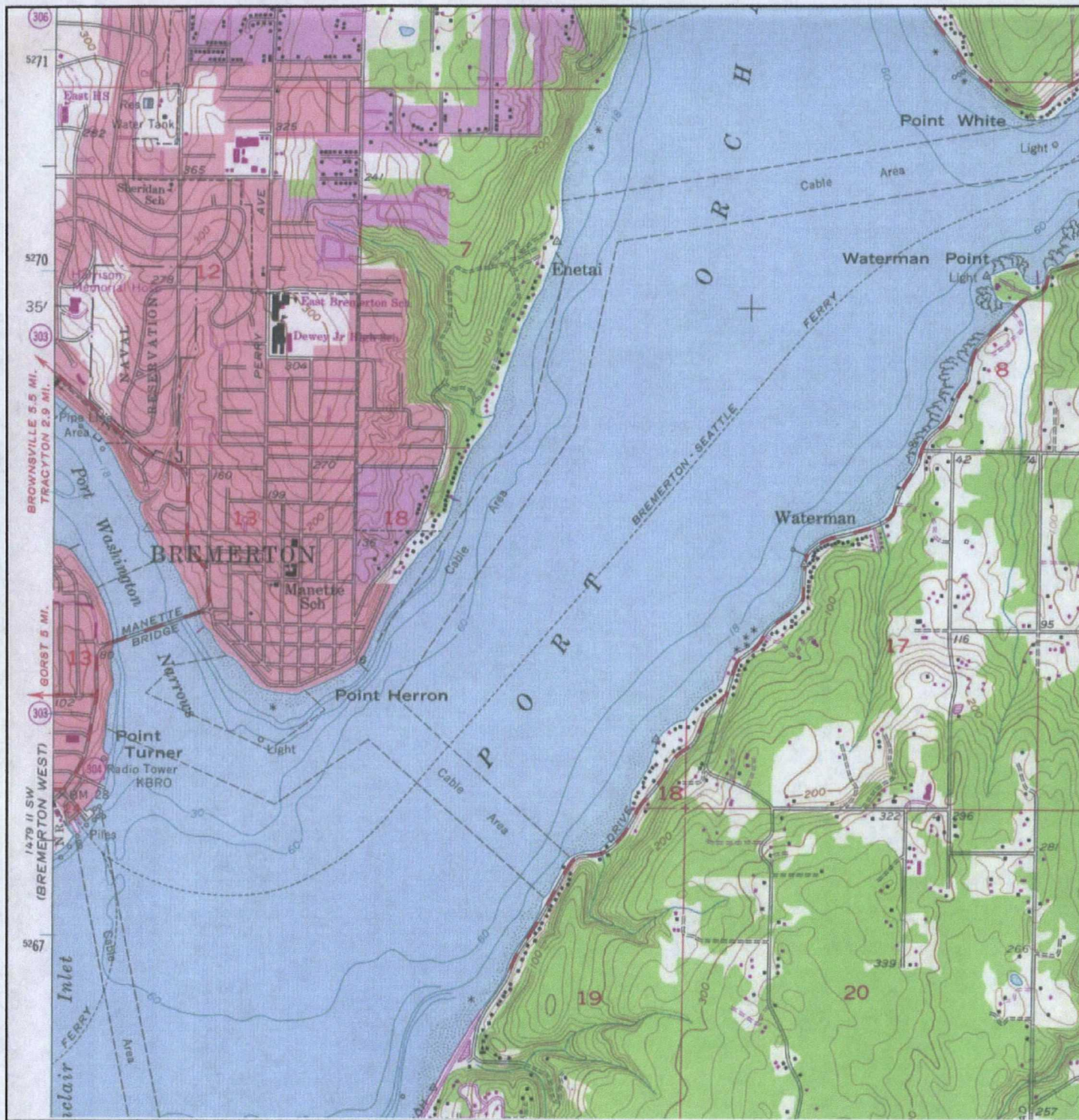
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Historical Topographic Map



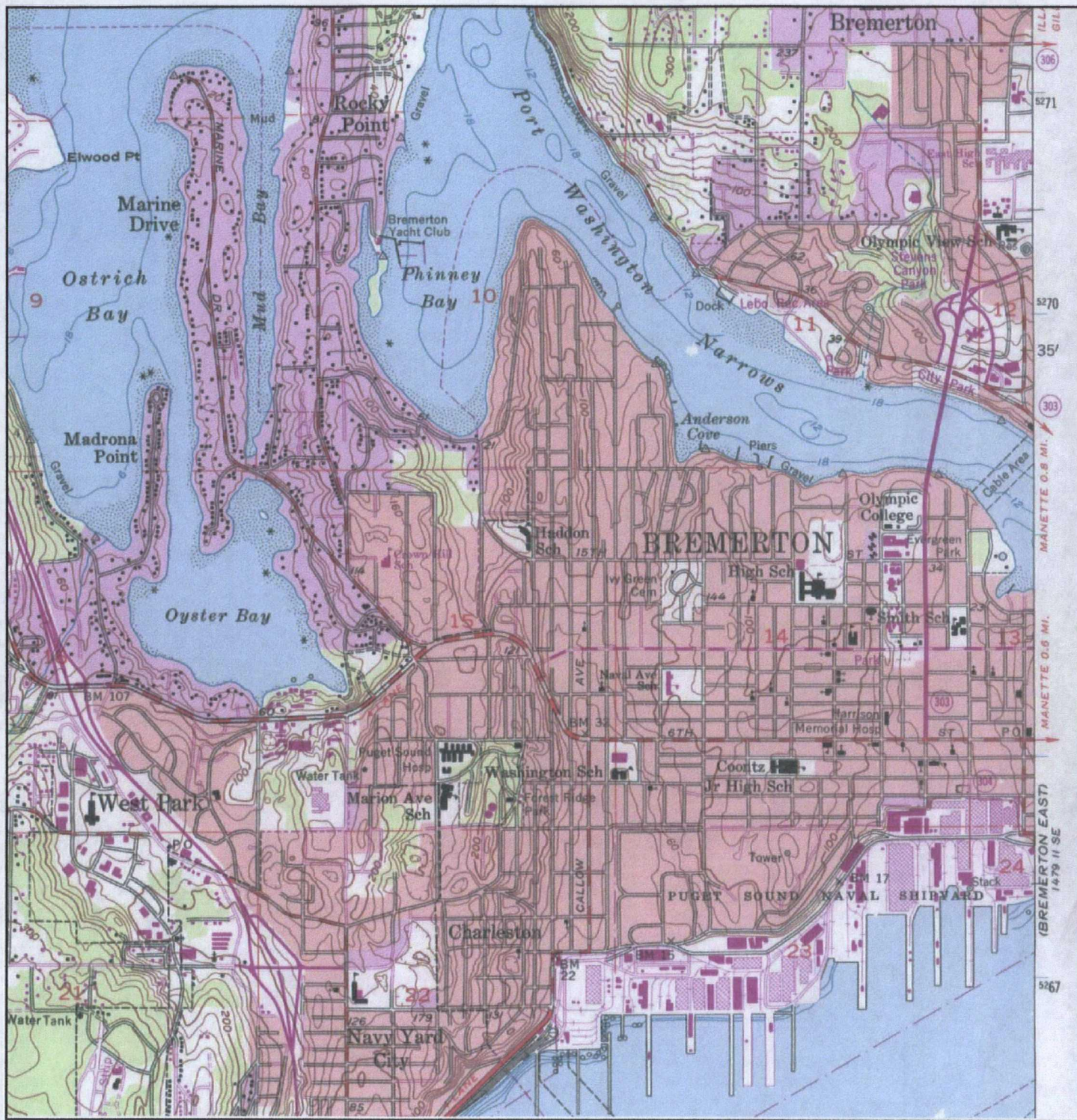
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Historical Topographic Map



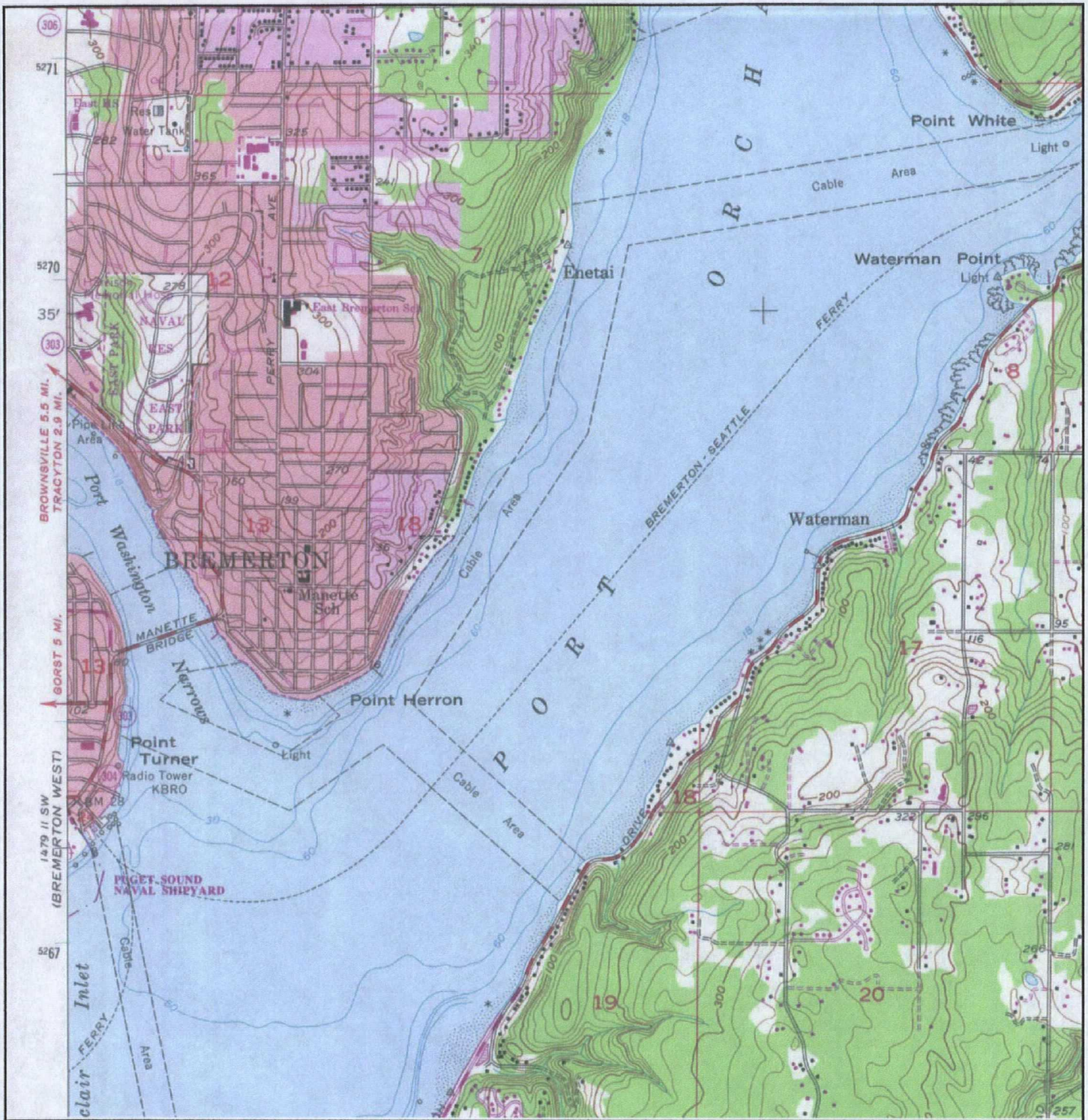
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Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: Bremerton West, WA MAP YEAR: 1981 PHOTO REVISED: 1953 SERIES: 7.5 SCALE: 1:24,000</p>	<p>SITE NAME: Bremerton Gas Works ADDRESS: Pennsylvania Avenue Bremerton, WA 98337 LAT/LONG: 47.5778 / 122.6422</p>	<p>CLIENT: Tech Law CONTACT: Lesa Nelson INQUIRY#: 1745466.4 RESEARCH DATE: 08/30/2006</p>
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Historical Topographic Map



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APPENDIX D

Qualifications of Environmental Professional

TARGETED BROWNFIELDS ASSESSMENT REPORT
OLD BREMERTON GAS WORKS SITE
TechLaw, Inc.
Contract No. EP-S7-06-03

Appendix D
Date: 11/10/2006
Qualifications of Environmental Professional

Name: RICHARD F. HOWARD, REA II

Title: Director/Site Project Manager

Education: M.S., 1979, Soil Science, University of California, Davis
B.S., 1973, Soil Science and Plant Nutrition, University of California, Berkeley

Special Training: Capture Zone Analyses for Pump-and-Treat Systems, 2005
Natural Attenuation of Chlorinated Organics in Ground Water, 1996
Total Quality Management Trainer, 1995
Hydrogeology, 1995
Fundamentals of Soil Vapor Extraction, 1991
Hazardous Waste Site Supervisor Training, 1990
HAZWOPER 40-hour Training, 1988 and Annual Updates

Clearance: Not applicable

Registration: Registered Environmental Assessor II - 20059, 2000, California Registered
Environmental Assessor I - 01458, 1989, California

Mr. Howard has 30 years of experience in the management of environmental projects and application of soil science. He has expertise in management principles and skills in communication and negotiation to complete successful projects in the environmental consulting field and for government agencies.

Mr. Howard is Director of Environment, Health, and Safety activities in the Sacramento office of TechLaw, Inc. He primarily provides site project management and senior technical review for the US EPA Region 9 under the Regional Oversight Contract (ROC). He is site manager for the former McClellan Air Force Base (McClellan), Hawaii Sites, Sharpe Defense Depot, Tracy Defense Depot, and Travis Air Force Base (AFB) sites under the ROC and was formerly site manager for the San Francisco Presidio. He has reviewed over 800 documents for the ROC. He has also provided senior technical review for US EPA Regions 2 and 5 under the RCRA Enforcement, Permitting and Assistance (REPA) Contract and ROC, as well as project management for US EPA Regions 3 and 10 under the Superfund Technical Assistance and Response Team (START) Contract.

Mr. Howard has provided technical support as site manager to EPA for McClellan, the highest ranked Air Force National Priorities List (NPL) site, since 2000. Technical support includes Work Plans/Sampling and Analysis Plans (WP/SAP), including field sampling plans (FSP) and quality assurance project plans (QAPP), remedial investigations (RI) for nine Operable Units (OUs); feasibility studies (FS) for Volatile Organic Compounds (VOCs), Non-VOCs, Shallow Soil Gas, Focused Strategic Sites, and the Local Reuse Authority Parcels 1 and 2; radiation, soil, groundwater, and vadose zone removals; remedial designs; five Proposed Plans and Records

of Decision (RODs); post-ROD actions, a Five-Year Review, and radiation support. Removal action documents reviewed include removal action work plans, engineering evaluation/cost analysis (EE/CA) documents, design documents, and operations and maintenance (O&M) reports at 23 Soil Vapor Extraction (SVE) sites, two non-VOC sites, a time-critical removal action for treatment of hexavalent chromium in groundwater, and a time-critical radiation removal action. BRAC activities include review of environmental baseline survey (EBS) reports, findings of suitability to lease (FOSLs), findings of suitability to transfer (FOSTs), and a finding of suitability for early transfer (FOSET). Over 450 deliverables pertaining to these activities have been provided on schedule to EPA. He participates in the Monthly McClellan BRAC Cleanup Team (BCT) Meetings and Remedial Project Manager Meetings, as well as ad hoc project meetings, technical meetings (e.g., data gap analysis; groundwater and vadose zone technical working group meetings; the Groundwater VOC ROD Joint Technical Team), and on-board technical document reviews. In the area of field activities, Mr. Howard supervised collection of soil, soil gas, water, and sediment samples and vacuum measurements at SVE removal action sites, provided field oversight during the non-time-critical removal action of sediment from the Operable Unit B1 drainage ditch, audited implementation of a soil gas STOP FSP, and provided technical support in the review of McClellan's Basewide Quality Management Plan and project-specific Quality Assurance Project Plans. Mr. Howard and his TechLaw team conducted a long-term Process Audit, which supported EPA's oversight of field activities and data review by following a sample from the field sampling plan through the sample collection, data review, data validation, import into the contractor's database and use during RI report writing, and export to the Air Force database. They are in the process of producing Site Decision Status Summary (SDS) files for each of the 319 sites at McClellan. The SDS files are maintained by EPA to track the current status and summary of cleanup progress and decisions made by EPA for the contamination sites identified at McClellan. The SDS files provide an Independent opinion that can be compared to similar information maintained by the lead federal agency, Air Force Real Property Agency (AFRPA). To date, TechLaw has produced over 550 one-page executive summaries and full files.

Mr. Howard's oversight support to EPA for the Hawaii Sites Work Assignment includes the Pearl Harbor Naval Complex (PHNC) and Naval Computer Telecommunications Area Master Station (NCTAMS) NPL sites and several secondary facilities comprising 50 sites and 12,000 acres on Oahu. Technical document review includes site summary reports (SSRs) for every Geographic Study Area (GSA) in the PHNC, WP/SAPs, Navy Standard Operating Procedures (SOPs), Community Involvement Plan, and Site Management Plan, RI and FS reports, documentation for Removals, including removal site evaluation (RSE) reports, engineering evaluation/cost analysis (EE/CA) documents, a treatability study for phytoremediation, and action memoranda, a Proposed Plan, Remedial Designs, and post-removal action documents such as remediation verification reports (RVR), long-term monitoring plans and quarterly reports, O&M reports, EBS reports, and FOSLs/FOSTs. Over 300 deliverables pertaining to these activities have been provided on schedule to EPA. Meeting support included attendance at the annual on-site project manager meetings, an on-site Restoration Advisory Board (RAB) meeting, an on-site meeting of the Contaminated Sediment Technical Advisory Group (CSTAG), monthly project status meetings (generally by teleconference), and ad hoc project meetings at EPA's office, such as the Aiea Laundry monitored natural attenuation and Barber's Point thermal desorption meetings. Mr. Howard's technical support activities for PHNC and NCTAMS include participating in a

multi-stakeholder team to develop metals background values for four soil groups and for sediment at both facilities. Under Mr. Howard's supervision, TechLaw also produced a Work Plan Outline on less than two weeks turnaround that included recommended additional investigations and alternative interim covers for a sensitive site bordering Walker Bay. Mr. Howard coordinated TechLaw's network of technical experts to review planning documents (WP/SAP; basis of design; performance testing and operations) in support of the indirect thermal desorption treatment project at Barbers Point of PCB-contaminated soil from throughout PHNC and NCTAMS. In addition, split samples of soil before and after treatment were collected and analyzed for PCBs and dioxins.

Mr. Howard is providing technical support, including technical document reviews, meeting support, data reviews, post-Record of Decision (ROD) actions, Site Assessment, and field activities to EPA Region IX at the Tracy and Sharpe Sites, located in Tracy and Lathrop, California. Mr. Howard has conducted reviews or performed quality control reviews for technical documents, including Preliminary Closeout Reports, Field Work Plans, Remedial Action Reports, and monitoring reports. Tracy and Sharpe both have a Final ROD, and technical support for post-ROD actions includes technical support for a cover installation, review of ROD Amendments and Explanations of Significant Differences, and two Five-Year Reviews. Mr. Howard's TechLaw team has also provided technical support to EPA on institutional controls. Over 100 deliverables pertaining to these activities have been provided on schedule to EPA. Mr. Howard participated in the Quarterly Tracy-Sharpe Remedial Project Manager Meetings, as well as ad hoc project meetings, technical meetings (e.g., remedial action confirmation sampling; Response Completion Plan meetings), and comment resolution conference calls. Mr. Howard assisted EPA with the Pre-Final Site Inspection for the Sharpe facility. These field activities included interviews and inspection of every remedial action to determine if construction of the remedies at DDJC-Sharpe was complete. Digital photographs documenting the inspection were included in the report. Mr. Howard's San Francisco Presidio activities under the previous contract included participating in a multi-stakeholder team to develop metals background values for the facility.

Mr. Howard has reviewed documents (RI, FS, Proposed Plan, RODs, 60% Design, Five-Year Reviews) for other Region 9 ROC sites (Alameda Point, Hunter's Point, George AFB, Mather AFB, Norton AFB, Travis AFB, Ft. Ord); for the ROC in Region 5 (Savannah Army Depot, Wright-Patterson AFB); and for the REPA contract in Region 5 (a Corrective Measures Study [CMS] Report for a private secondary lead smelter facility in Indiana). Under the Region 2 REPA contract, he reviewed over 200 underground storage tank (UST) documents, almost all in Spanish, for 30 facilities in Puerto Rico to ensure compliance with RCRA and Puerto Rico Environmental Quality Board regulations.

Prior to joining TechLaw, Mr. Howard was a Project Manager with Jacobs Engineering Group, Inc. His project assignments and activities included:

- Project Manager for RIs of the operable units (OUs) E, F, G, and H at McClellan AFB. OUs E through H contain 48 sites on approximately 1,076 acres. The Phase I portion of the RIs involved approximately 21,000 linear feet of drilling at 435 locations with over 16,000 analyses; monitor well construction; soil, soil gas, and water sampling; surface radiological

scans; and geophysical surveys. Decisions on contingency borings were based on real-time soil gas data analyzed by a field gas chromatograph/mass spectrometer. Phase II field sampling plans were prepared and implemented with an additional 3,000 feet of drilling. Remedial investigation characterization summary documents were prepared for sites after Phase I, and for the remaining sites in 1999-2000. Phase II was nearly entirely funded from underruns on the Phase 1 project.

- Project Manager for the OU A RI at McClellan AFB. Results of four data gap investigations and newly negotiated risk assessment methodology were incorporated into the RI document for OU A.
- Project Manager for the Data Gap 3 RI. Used direct-push rigs and a field GC/MS to collect shallow soil gas samples at approximately 300 locations.
- Project Manager for Phase 1 Environmental Site Assessments. Developed line of business to provide REA-II services for school sites. All work was done according to ASTM E 1527-97 to satisfy requirements of AB387 and SB192.
- Project Manager for the 1995 McClellan AFB management action plan (MAP) update. Led Jacobs team in developing lessons-learned, success stories, and technical issues to be resolved; calculated mass and volume of organic and inorganic contamination and area affected for all 129 sites in OUs A and C1; updated conceptual models of OU A and OU C1; revised tables, figures, and appendices from the prior MAP; and provided electronic deliverables
- Project Manager for the McClellan AFB OU C1 RI/FS. Produced the first final plug-in evaluation documents to undergo full regulatory review at McClellan AFB.
- Technical advisor for the McClellan AFB Data Gaps 1 and 2 RI. Implemented flexible decision criteria, participating with client and other contractors to determine step-out borings and data gap closure.
- Geoscience Reviewer for the McClellan AFB draft OU A site characterization summary/field sampling plan. Principal Technical Author for three of the 22 investigation clusters (ICs) and the OU A general section of the report. Project Coordinator and Contributing Technical Author for preparation of draft, draft final and final versions of the document and the response to comments
- Principal Geoscience Author for OU A IC 31 engineering evaluation/cost analysis site specific document and remedial design work plan. Documents were part of the IC 31 soil vapor extraction removal action
- Principal Geoscience Author for OU A IC 31 phase II site characterization summary and draft RI characterization summary
- Contributing Technical Author to the nature and extent and fate and transport sections of the OU C1 draft and final RI characterization summary report
- Technical Advisor on the McClellan AFB OU A project in the interpretation of a large database of soil, soil gas, surface water, and groundwater data for 124 sites encompassing

over 500 acres. Made presentations to the Air Force, regulatory agencies, and other contractors

- Principal Author for the Castle Airport source control operable unit (SCOU) RI/FS work plan/field sampling plan update and QAPP addendum and the subsequent RI addenda. Made presentations to the Air Force, state, and federal agency personnel at technical working group sessions. Provided technical support to managers of remediation projects at SCOU sites
- Project Coordinator for the long-term groundwater sampling program January 1996 annual update report for the Castle AFB Airport.
- Acting Project Manager and technical lead during the development of a Work Plan for the Dugway Proving Ground project on behalf of the US Army Corps of Engineers. Work Plan development involved coordination of access to a sensitive area of this site with State and federal regulators and the US Army Corps of Engineers, securing of drilling permits, and identification of specialty analyses to detect the residues of chemical warfare agents.

Prior to joining Jacobs, Mr. Howard was a Senior Geoscientist with McLaren/Hart Environmental Engineering, Inc. His project assignments and activities included:

- Project Manager for seven property transaction (phases I and II) environmental assessments, supervising up to four employees. Performed or served as Task Manager for environmental assessments of 30 commercial and industrial facilities and future residential and industrial land in California, Arizona, Nevada, Michigan, and Minnesota. The properties ranged in size from less than five acres to 1,700 acres, and varied in type from undeveloped land to a major Las Vegas hotel/casino, to an aerospace facility with over 1.2 million square feet of building space
- Task Manager for remediation of soil and groundwater contaminated with petroleum hydrocarbons from former underground storage tanks at multiple sites at agricultural equipment dealerships in California and Arizona for Ford New Holland. Supervised the transportation and disposal of soil to Class II and III landfills, as well as the confirmation sampling and backfilling of the excavation. Obtained NPDES and soil handling permits for groundwater remediation and soil bioremediation, and conducted screening-level risk assessment in support of an air permit application for an air stripping system at the Blythe facility. Drilled confirmation soil borings and sampled soil bioremediation piles at the Casa Grande, Arizona, facility
- Task Manager for remediation of soil contaminated with lead for a public works agency in Sacramento County, California. Designed and carried out statistically-based sampling schemes to characterize soil. Calculated designated level methodology analysis for lead-contaminated soil, and delivered oral and written presentations of findings to county and state officials. Supervised the transportation and disposal of the soil to a Class I landfill
- Task Manager for soil investigation and soil vapor extraction well installation and testing at an electronics manufacturing facility in Mountain View, California

- Geoscience Author for RI documents, an FS, and a remedial action plan for facilities in California including two major electronics manufacturing facilities in Palo Alto, an aerospace facility in Sunnyvale, a petroleum pipeline facility in Sacramento; and two shipyards in Seattle, Washington
- Developed work plans and conducted and directed investigations involving surface, near surface and subsurface soil sampling, monitor well construction, development, and sampling, and vertical profile water sampling. Laboratory analyses included total petroleum hydrocarbons, pesticides, herbicides, fumigants, PCBs, PCP, dioxins/furans, metals, volatile and semi-volatile organic compounds, radon, and pH. Constructed monitoring wells, drilled soil borings, and collected samples in support of site characterization and remediation in California, Arizona, Nevada, and Michigan
- Provided litigation support for an 8,500-acre aerospace facility in northern California, preparing a study of soil storage effects for 19 soil types, 15 metals, minerals, and PCBs; writing a statistical study of client laboratory and EPA laboratory for metals and minerals analyses; analyzing and tabulating waste discharge requirements over a 29-year time span for numerous industrial facilities in California; and updating client's soil mapping information
- Supervised water and wipe sampling and decontamination activities for the partial RCRA closure of a hazardous waste management facility for the Signetics Company. Assisted in the preparation of the closure report
- Collected soil and bulk material samples in an emergency response situation for potential PCB contamination in Sacramento, California
- Conducted air dispersion modeling; calculated engineering estimates of emissions; wrote toxicity profiles; and assessed acute and chronic health effects for environmental health risk assessments in support of air permits, which were granted by the air quality board in Kern County, California
- Analyzed a large aerospace client's multi-facility database for use of chemicals regulated by AB 2588 and SARA 313, and contributed to the development of air monitoring and emission estimation manuals for AB 2588 compliance at the facilities
- Assisted in the compilation of data and the evaluation of operating vapor extraction systems for a large-scale soil remediation project at an electronics manufacturing facility in Palo Alto, California. Participated in negotiations with the Bay Area Air Quality Management District
- Reviewed federal, state, and local regulatory requirements regarding injection wells, and assisted in analyzing compliance strategies utilizing applied soil chemistry for a major aerospace client in Southern California
- Validated QA/QC documentation for soil analytical data from CLP and non-CLP projects in California and Washington
- Contributed to analysis of soil-related issues for environmental impact statements
- Made presentations to local, state, and federal officials, and elementary, secondary, college, and adult classes and conferences on soil resource information. Delivered

presentations on the principles of soil science and the practice of soil sampling for in-house technology transfer, as well as University of California at Davis extension classes.

As a Supervising Soil Scientist with the USDA Soil Conservation Service, Mr. Howard managed a staff of up to five technicians and scientists. His project activities included:

- Managed six soil resource inventories comprising over 2 million acres in four California counties
- Sampled and mapped soils on over 300,000 acres in Oregon and California
- Provided technical assistance to federal agency personnel for wetland delineation under the 1986 Food Security Act ("Swampbuster" provision).

As a Graduate Assistant at the University of California, Mr. Howard conducted studies of soil compaction in forest and range soils utilizing a wide variety of soil chemical, physical, mechanical, and mineralogical analyses. He published research results in two journals, and presented his findings at department seminars and a national professional meeting. He was also a Teaching Assistant in upper division soils classes.

As a Project Manager with the U.S. Peace Corps, Mr. Howard managed three soil resource inventories comprising over 300,000 acres in Lesotho, Africa. He trained local soil scientists in soil survey techniques and laboratory procedures.

As a Soil Scientist with the USDA Forest Service, Mr. Howard mapped soil and vegetation and collected forest site information on four project areas.

Employment History:

TechLaw Inc. Director EH&S Operations Site Project Manager Senior Technical Reviewer	2000 to date
Jacobs Engineering Group Inc. Environmental Project Manager Senior Environmental Scientist Project Soil Scientist/Geoscience Reviewer	1994 - 2000
McLaren/Hart Environmental Engineering, Inc. Senior Geoscientist	1988 - 1994
USDA Soil Conservation Service Supervising Soil Scientist	1979 - 1988

TARGETED BROWNFIELDS ASSESSMENT REPORT
OLD BREMERTON GAS WORKS SITE
TechLaw, Inc.
Contract No. EP-S7-06-03

Appendix D
Date: 11/10/2006
Qualifications of Environmental Professional

University of California at Davis
Department of Land, Air, and Water Resources
Graduate Assistant

1977 - 1979

U.S. Peace Corps
Supervising Soil Scientist

1975 - 1977

USDA Forest Service
Soil Scientist

1973 - 1973

Certification: Certified Professional Soil Scientist, 1984

PUBLICATIONS/PRESENTATIONS

Howard, Richard F., Singer, Michael J., and Frantz, Gregory A., Effects of Soil Properties, Water Content and Compactive Effort on the Compaction of Selected California Forest and Range Soils, Soil Science Society of America Journal, Vol. 45, No. 2, pp. 231-236, 1981.

Howard, Richard F., and Singer, Michael J., Measuring Forest Soil Bulk Density Using Irregular Hole, Paraffin Clod, and Air Permeability, Forest Science, Vol. 27, pp. 316-322, 1981.

Howard, Richard F., and Bowman, Roy F., Soil Survey of Mendocino County, Eastern Part, and Trinity County, Southwestern Part, California, Soil Conservation Service, USDA, 1991.

Presented seminars on the principles of soil science and the practice of soil sampling for in-house technology transfers, as well as University of California at Davis extension classes. Communicated project and natural resource information to local, State, and Federal officials and elementary, secondary, college and adult classes and conferences.